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Tables of Exponentially Averaged Temperature 'NT0' to Represent Reactions Bexp[-A/(RT0)] with Sinosoidal Temperature Variations around T0 as Bexp[-A/R('NT0')]

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Tables of exponentially averaged temperature ‘NT_0’ to represent reactions $B\exp[-A/(RT_0)]$ with sinosoidal temperature variations around T_0 as $B\exp[-A/R(\text{'}NT_0\text{'})]$

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Representing reactions of the type: Product/unit time = Bexp[-A/*R*T]:

with sinusoidal seasonal temperature variations

$T=T_0+T_1*\sin[month*2\pi/12]$ around average temperature T_0

As: Bexp[-A/*R*NT_0]

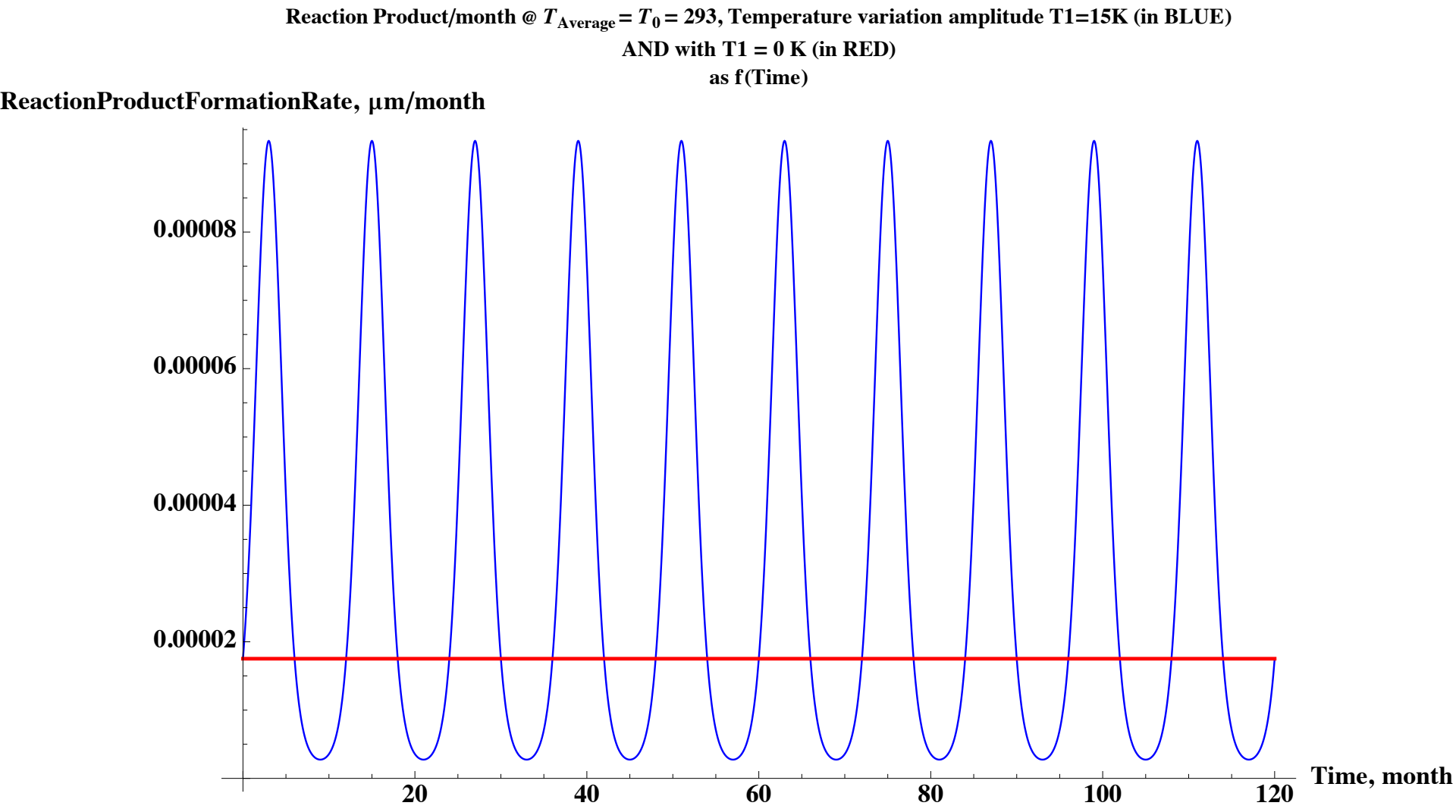
The plots on the next page show reaction product formation "with/without" sinusoidal seasonal temperature variation (x in month) :

$$1.45*10^{10}*\exp[-\frac{ActivationEnergy\ kcal/mole}{R*(T_0+T_1*\sin[x*2\pi/12])}],0\le x\le 120$$

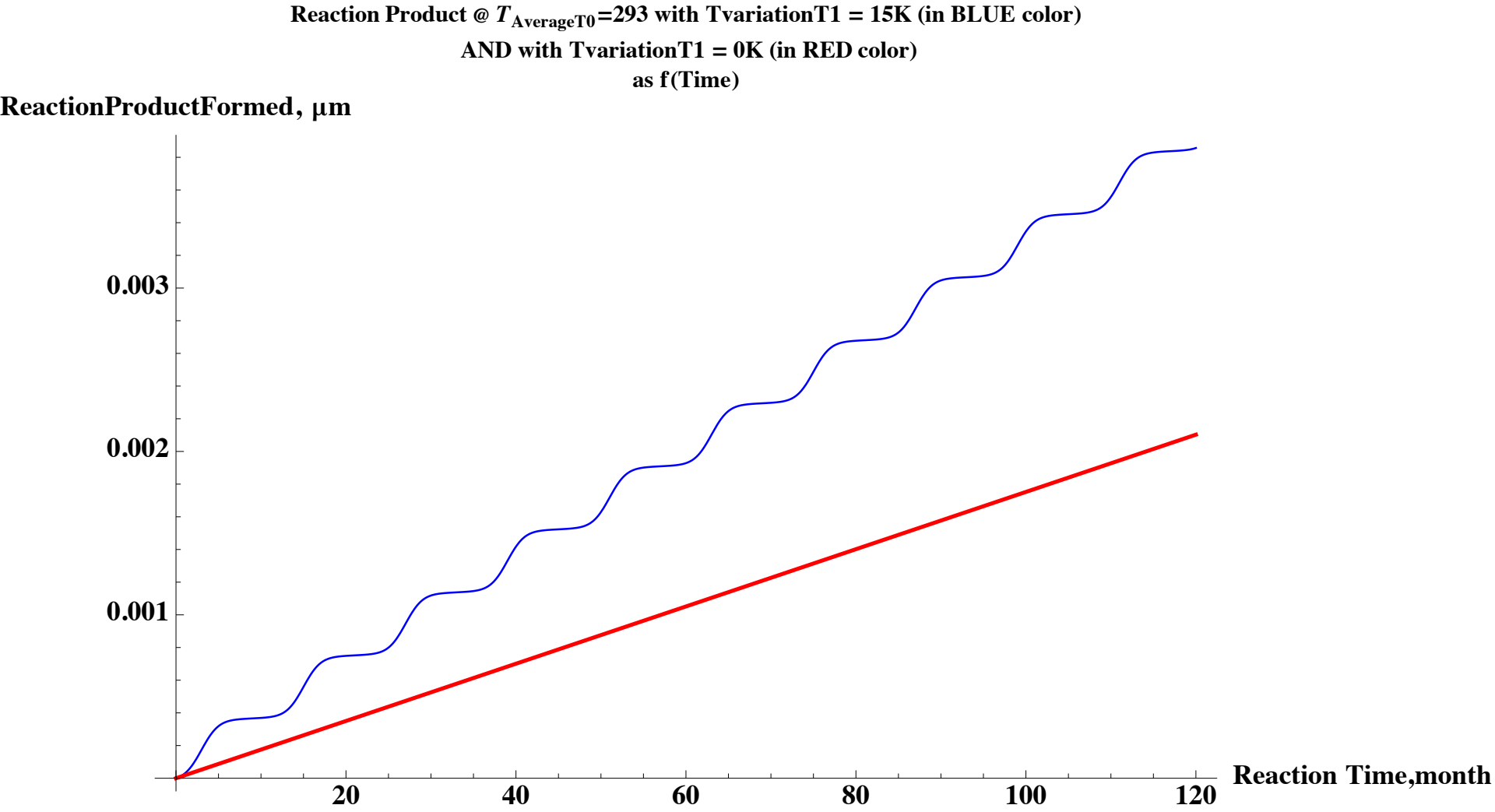
$$1.45*10^{10}*\exp[-\frac{ActivationEnergy\ kcal/mole}{R*(T_0)}],$$

- *It is shown, that the **increased** reaction product formation produced by a sinusoidal temperature around T_0 with ActivationEnergy 'A'*
  - *can be represented by:*
- *The same equation with the same ActivationEnergy 'A'*
  - *but **increased** temperature NT_0*

Reaction Product Formation **Rate** (µm/month)
With and Without Sinosoidal Reaction Temperature Variation



Reaction Product Formation (µm), fixed Activation Energy 20 kcal/mole and T_0=293
With and Without Sinosoidal Reaction Temperature Variation



The “blue” reaction produces substantially more product.
The objective is now to find a reaction equation for the 'red reaction’ that would result -on average- in the same product formation as the 'blue reaction.

Objective:

- Find the temperature NT_0 (when T_0, T_1, and the activation energy A are known) where the reaction product formed during one sinosoidal cycle (1 year):
- At sinosoidal reaction temperatures with amplitude T_1 around T_0

  is equal to
- the reaction product at the steady temperature NT_0

i.e. when:

$$\int_0^{12} \exp[-\frac{ActivationEnergy\ kcal/mole}{R*(T_0+T_1*\sin[x*2\pi/12])}]dx$$

$$=12*\exp[-\frac{ActivationEnergy\ kcal/mole}{R*(NT_0)}]$$

The integral cannot be performed analytically. It must be evaluated numerically. The equation is solved by a numerical "equation solver" ("Solve" in Mathematica), i.e.

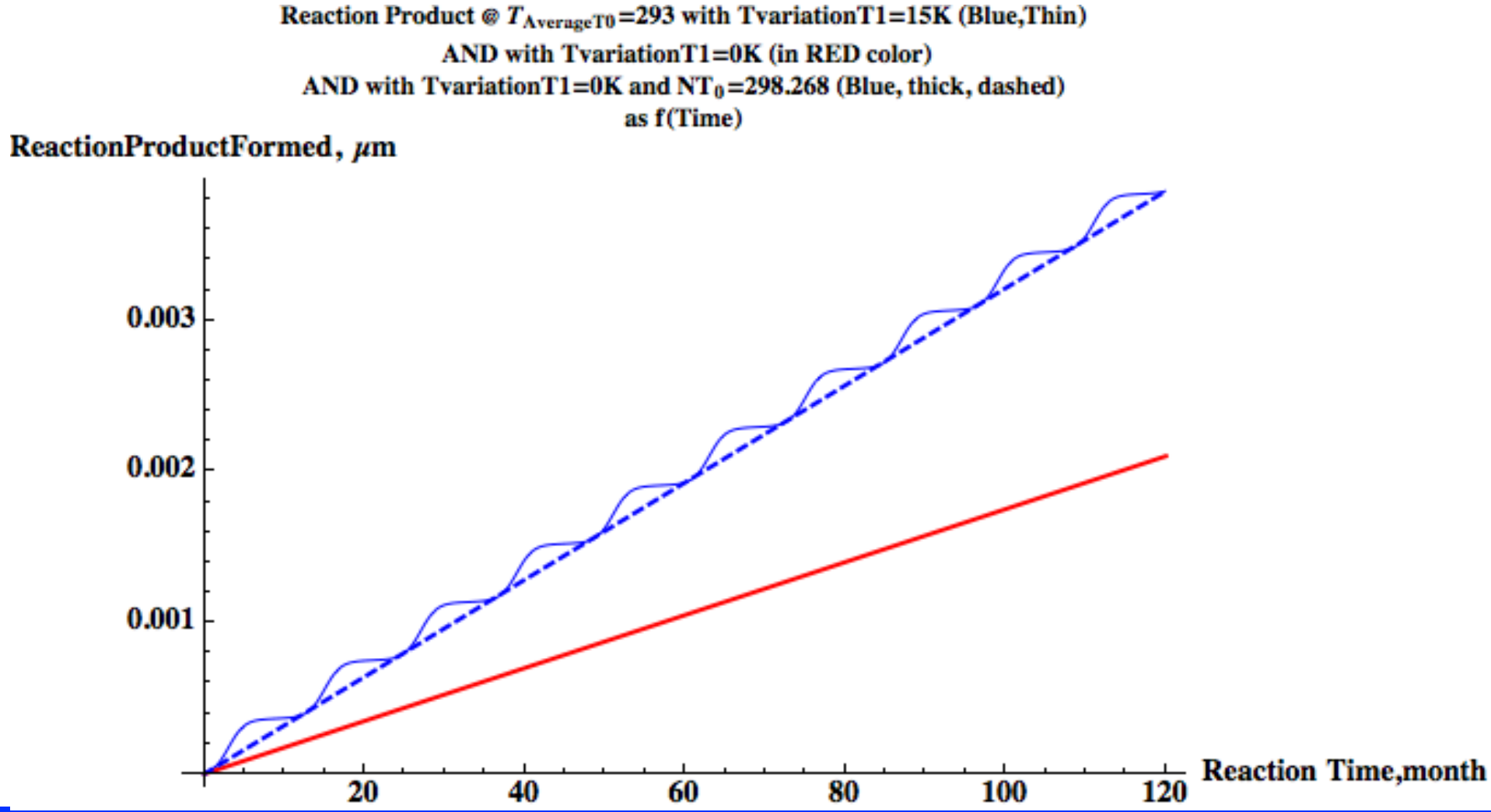
```
Solve[
 NIntegrate[
   Exp[-(EactivationA / (1.9872041 * 10 ^ -3)) /
      (TaverageT0293 + TvariationT1 * Sin[π * x / 6])], {x, 0, 12}] ==
  12 * Exp[-(EactivationA / (1.9872041 * 10 ^ -3)) / (NT0)], NT0]
```

```
Solve::ifun : Inverse functions are being used by Solve, so
    some solutions may not be found; use Reduce for complete solution information. >>
```

```
{{NT0 → 298.268}}
```

... yielding at A=20kcal/moleK, T_0=293K, T_1=15K a value for NT_0 of NT_0 = 298.268, i.e. about 5.3°K higher than 293°K.

Reaction Product Formation (µm) at T_0=293
With and Without Sinosoidal Reaction Temperature Variation
And without Sinosoidal Reaction Temperature, but NT_0=298.268 (dashed)



The reaction equation with T_0=293K increased to NT_0=298.3K produces the same product quantity at the end of each yearly cycle.

NT_0 tables for a range of (T_0, A, T_1) values

- T_0 (=average temperature) values
  - range from 270°K to 300°K
- Activation energy A values
  - range from 8 to 30 kcal/mole°K
- T1 (=amplitude of sinosoidal temperature variation) values
  - range from 5°K to 16°K

NT_0 values at the average temperature T_0=270°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 270.427$	$NT_0 \to 270.58$	$NT_0 \to 270.755$	$NT_0 \to 270.952$	$NT_0 \to 271.171$	$NT_0 \to 271.411$	$NT_0 \to 271.672$	$NT_0 \to 271.953$	$NT_0 \to 272.253$	$NT_0 \to 272.573$	$NT_0 \to 272.91$
10	$NT_0 \to 270.488$	$NT_0 \to 270.662$	$NT_0 \to 270.861$	$NT_0 \to 271.085$	$NT_0 \to 271.334$	$NT_0 \to 271.605$	$NT_0 \to 271.9$	$NT_0 \to 272.216$	$NT_0 \to 272.554$	$NT_0 \to 272.912$	$NT_0 \to 273.29$
	$NT_0 \to 270.548$	$NT_0 \to 270.743$	$NT_0 \to 270.966$	$NT_0 \to 271.217$	$NT_0 \to 271.493$	$NT_0 \to 271.796$	$NT_0 \to 272.123$	$NT_0 \to 272.474$	$NT_0 \to 272.847$	$NT_0 \to 273.242$	$NT_0 \to 273.658$
12	$NT_0 \to 270.608$	$NT_0 \to 270.824$	$NT_0 \to 271.07$	$NT_0 \to 271.346$	$NT_0 \to 271.651$	$NT_0 \to 271.983$	$NT_0 \to 272.341$	$NT_0 \to 272.724$	$NT_0 \to 273.131$	$NT_0 \to 273.561$	$NT_0 \to 274.012$
	$NT_0 \to 270.668$	$NT_0 \to 270.904$	$NT_0 \to 271.173$	$NT_0 \to 271.474$	$NT_0 \to 271.805$	$NT_0 \to 272.166$	$NT_0 \to 272.554$	$NT_0 \to 272.968$	$NT_0 \to 273.407$	$NT_0 \to 273.869$	$NT_0 \to 274.353$
14	$NT_0 \to 270.727$	$NT_0 \to 270.983$	$NT_0 \to 271.274$	$NT_0 \to 271.6$	$NT_0 \to 271.957$	$NT_0 \to 272.345$	$NT_0 \to 272.761$	$NT_0 \to 273.205$	$NT_0 \to 273.673$	$NT_0 \to 274.166$	$NT_0 \to 274.68$
	$NT_0 \to 270.786$	$NT_0 \to 271.061$	$NT_0 \to 271.375$	$NT_0 \to 271.723$	$NT_0 \to 272.106$	$NT_0 \to 272.519$	$NT_0 \to 272.963$	$NT_0 \to 273.434$	$NT_0 \to 273.931$	$NT_0 \to 274.451$	$NT_0 \to 274.993$
16	$NT_0 \to 270.844$	$NT_0 \to 271.139$	$NT_0 \to 271.473$	$NT_0 \to 271.845$	$NT_0 \to 272.251$	$NT_0 \to 272.69$	$NT_0 \to 273.159$	$NT_0 \to 273.656$	$NT_0 \to 274.179$	$NT_0 \to 274.726$	$NT_0 \to 275.294$
	$NT_0 \to 270.902$	$NT_0 \to 271.216$	$NT_0 \to 271.57$	$NT_0 \to 271.964$	$NT_0 \to 272.393$	$NT_0 \to 272.856$	$NT_0 \to 273.349$	$NT_0 \to 273.871$	$NT_0 \to 274.418$	$NT_0 \to 274.989$	$NT_0 \to 275.581$
18	$NT_0 \to 270.959$	$NT_0 \to 271.291$	$NT_0 \to 271.666$	$NT_0 \to 272.081$	$NT_0 \to 272.532$	$NT_0 \to 273.018$	$NT_0 \to 273.534$	$NT_0 \to 274.079$	$NT_0 \to 274.649$	$NT_0 \to 275.242$	$NT_0 \to 275.856$
	$NT_0 \to 271.015$	$NT_0 \to 271.366$	$NT_0 \to 271.76$	$NT_0 \to 272.196$	$NT_0 \to 272.668$	$NT_0 \to 273.175$	$NT_0 \to 273.713$	$NT_0 \to 274.279$	$NT_0 \to 274.87$	$NT_0 \to 275.484$	$NT_0 \to 276.118$
20	$NT_0 \to 271.071$	$NT_0 \to 271.439$	$NT_0 \to 271.853$	$NT_0 \to 272.308$	$NT_0 \to 272.801$	$NT_0 \to 273.328$	$NT_0 \to 273.886$	$NT_0 \to 274.472$	$NT_0 \to 275.083$	$NT_0 \to 275.716$	$NT_0 \to 276.369$
	$NT_0 \to 271.127$	$NT_0 \to 271.512$	$NT_0 \to 271.944$	$NT_0 \to 272.418$	$NT_0 \to 272.93$	$NT_0 \to 273.477$	$NT_0 \to 274.054$	$NT_0 \to 274.659$	$NT_0 \to 275.288$	$NT_0 \to 275.938$	$NT_0 \to 276.608$
22	$NT_0 \to 271.182$	$NT_0 \to 271.583$	$NT_0 \to 272.033$	$NT_0 \to 272.525$	$NT_0 \to 273.056$	$NT_0 \to 273.621$	$NT_0 \to 274.216$	$NT_0 \to 274.838$	$NT_0 \to 275.484$	$NT_0 \to 276.151$	$NT_0 \to 276.836$
	$NT_0 \to 271.236$	$NT_0 \to 271.654$	$NT_0 \to 272.12$	$NT_0 \to 272.63$	$NT_0 \to 273.178$	$NT_0 \to 273.761$	$NT_0 \to 274.373$	$NT_0 \to 275.012$	$NT_0 \to 275.673$	$NT_0 \to 276.355$	$NT_0 \to 277.054$
24	$NT_0 \to 271.289$	$NT_0 \to 271.723$	$NT_0 \to 272.206$	$NT_0 \to 272.732$	$NT_0 \to 273.297$	$NT_0 \to 273.896$	$NT_0 \to 274.524$	$NT_0 \to 275.178$	$NT_0 \to 275.855$	$NT_0 \to 276.55$	$NT_0 \to 277.263$
	$NT_0 \to 271.342$	$NT_0 \to 271.791$	$NT_0 \to 272.29$	$NT_0 \to 272.833$	$NT_0 \to 273.413$	$NT_0 \to 274.028$	$NT_0 \to 274.671$	$NT_0 \to 275.339$	$NT_0 \to 276.029$	$NT_0 \to 276.737$	$NT_0 \to 277.462$
26	$NT_0 \to 271.394$	$NT_0 \to 271.858$	$NT_0 \to 272.372$	$NT_0 \to 272.93$	$NT_0 \to 273.526$	$NT_0 \to 274.155$	$NT_0 \to 274.812$	$NT_0 \to 275.494$	$NT_0 \to 276.196$	$NT_0 \to 276.916$	$NT_0 \to 277.652$
	$NT_0 \to 271.445$	$NT_0 \to 271.924$	$NT_0 \to 272.453$	$NT_0 \to 273.026$	$NT_0 \to 273.636$	$NT_0 \to 274.279$	$NT_0 \to 274.949$	$NT_0 \to 275.643$	$NT_0 \to 276.357$	$NT_0 \to 277.088$	$NT_0 \to 277.834$
28	$NT_0 \to 271.496$	$NT_0 \to 271.989$	$NT_0 \to 272.532$	$NT_0 \to 273.119$	$NT_0 \to 273.743$	$NT_0 \to 274.398$	$NT_0 \to 275.081$	$NT_0 \to 275.786$	$NT_0 \to 276.511$	$NT_0 \to 277.253$	$NT_0 \to 278.009$
	$NT_0 \to 271.546$	$NT_0 \to 272.053$	$NT_0 \to 272.609$	$NT_0 \to 273.209$	$NT_0 \to 273.846$	$NT_0 \to 274.514$	$NT_0 \to 275.208$	$NT_0 \to 275.924$	$NT_0 \to 276.659$	$NT_0 \to 277.41$	$NT_0 \to 278.175$
30	$NT_0 \to 271.596$	$NT_0 \to 272.115$	$NT_0 \to 272.685$	$NT_0 \to 273.298$	$NT_0 \to 273.947$	$NT_0 \to 274.626$	$NT_0 \to 275.331$	$NT_0 \to 276.057$	$NT_0 \to 276.802$	$NT_0 \to 277.562$	$NT_0 \to 278.335$
	$NT_0 \to 271.644$	$NT_0 \to 272.176$	$NT_0 \to 272.759$	$NT_0 \to 273.384$	$NT_0 \to 274.045$	$NT_0 \to 274.735$	$NT_0 \to 275.45$	$NT_0 \to 276.186$	$NT_0 \to 276.939$	$NT_0 \to 277.707$	$NT_0 \to 278.488$

NT_0 values at the average temperature T_0=272°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 272.42$	$NT_0 \to 272.571$	$NT_0 \to 272.743$	$NT_0 \to 272.938$	$NT_0 \to 273.153$	$NT_0 \to 273.39$	$NT_0 \to 273.647$	$NT_0 \to 273.924$	$NT_0 \to 274.22$	$NT_0 \to 274.535$	$NT_0 \to 274.868$
	$NT_0 \to 272.48$	$NT_0 \to 272.652$	$NT_0 \to 272.848$	$NT_0 \to 273.069$	$NT_0 \to 273.314$	$NT_0 \to 273.582$	$NT_0 \to 273.872$	$NT_0 \to 274.184$	$NT_0 \to 274.518$	$NT_0 \to 274.871$	$NT_0 \to 275.244$
10	$NT_0 \to 272.54$	$NT_0 \to 272.732$	$NT_0 \to 272.952$	$NT_0 \to 273.199$	$NT_0 \to 273.472$	$NT_0 \to 273.77$	$NT_0 \to 274.092$	$NT_0 \to 274.439$	$NT_0 \to 274.807$	$NT_0 \to 275.197$	$NT_0 \to 275.608$
	$NT_0 \to 272.599$	$NT_0 \to 272.812$	$NT_0 \to 273.054$	$NT_0 \to 273.327$	$NT_0 \to 273.627$	$NT_0 \to 273.954$	$NT_0 \to 274.308$	$NT_0 \to 274.686$	$NT_0 \to 275.089$	$NT_0 \to 275.513$	$NT_0 \to 275.959$
12	$NT_0 \to 272.658$	$NT_0 \to 272.891$	$NT_0 \to 273.156$	$NT_0 \to 273.453$	$NT_0 \to 273.78$	$NT_0 \to 274.135$	$NT_0 \to 274.519$	$NT_0 \to 274.928$	$NT_0 \to 275.362$	$NT_0 \to 275.818$	$NT_0 \to 276.297$
	$NT_0 \to 272.716$	$NT_0 \to 272.969$	$NT_0 \to 273.256$	$NT_0 \to 273.577$	$NT_0 \to 273.93$	$NT_0 \to 274.312$	$NT_0 \to 274.724$	$NT_0 \to 275.162$	$NT_0 \to 275.626$	$NT_0 \to 276.113$	$NT_0 \to 276.622$
14	$NT_0 \to 272.774$	$NT_0 \to 273.046$	$NT_0 \to 273.355$	$NT_0 \to 273.699$	$NT_0 \to 274.077$	$NT_0 \to 274.486$	$NT_0 \to 274.924$	$NT_0 \to 275.39$	$NT_0 \to 275.881$	$NT_0 \to 276.396$	$NT_0 \to 276.934$
	$NT_0 \to 272.832$	$NT_0 \to 273.123$	$NT_0 \to 273.453$	$NT_0 \to 273.819$	$NT_0 \to 274.221$	$NT_0 \to 274.654$	$NT_0 \to 275.118$	$NT_0 \to 275.61$	$NT_0 \to 276.128$	$NT_0 \to 276.669$	$NT_0 \to 277.232$
16	$NT_0 \to 272.889$	$NT_0 \to 273.198$	$NT_0 \to 273.549$	$NT_0 \to 273.937$	$NT_0 \to 274.362$	$NT_0 \to 274.819$	$NT_0 \to 275.307$	$NT_0 \to 275.823$	$NT_0 \to 276.365$	$NT_0 \to 276.931$	$NT_0 \to 277.518$
	$NT_0 \to 272.945$	$NT_0 \to 273.273$	$NT_0 \to 273.643$	$NT_0 \to 274.053$	$NT_0 \to 274.499$	$NT_0 \to 274.98$	$NT_0 \to 275.491$	$NT_0 \to 276.03$	$NT_0 \to 276.595$	$NT_0 \to 277.183$	$NT_0 \to 277.792$
18	$NT_0 \to 273.001$	$NT_0 \to 273.347$	$NT_0 \to 273.736$	$NT_0 \to 274.167$	$NT_0 \to 274.634$	$NT_0 \to 275.136$	$NT_0 \to 275.668$	$NT_0 \to 276.229$	$NT_0 \to 276.815$	$NT_0 \to 277.424$	$NT_0 \to 278.053$
	$NT_0 \to 273.056$	$NT_0 \to 273.42$	$NT_0 \to 273.828$	$NT_0 \to 274.278$	$NT_0 \to 274.765$	$NT_0 \to 275.288$	$NT_0 \to 275.841$	$NT_0 \to 276.421$	$NT_0 \to 277.027$	$NT_0 \to 277.655$	$NT_0 \to 278.303$
20	$NT_0 \to 273.111$	$NT_0 \to 273.491$	$NT_0 \to 273.918$	$NT_0 \to 274.387$	$NT_0 \to 274.894$	$NT_0 \to 275.435$	$NT_0 \to 276.007$	$NT_0 \to 276.607$	$NT_0 \to 277.231$	$NT_0 \to 277.877$	$NT_0 \to 278.542$
	$NT_0 \to 273.165$	$NT_0 \to 273.562$	$NT_0 \to 274.006$	$NT_0 \to 274.493$	$NT_0 \to 275.019$	$NT_0 \to 275.578$	$NT_0 \to 276.169$	$NT_0 \to 276.786$	$NT_0 \to 277.427$	$NT_0 \to 278.089$	$NT_0 \to 278.77$
22	$NT_0 \to 273.219$	$NT_0 \to 273.632$	$NT_0 \to 274.093$	$NT_0 \to 274.597$	$NT_0 \to 275.14$	$NT_0 \to 275.718$	$NT_0 \to 276.325$	$NT_0 \to 276.959$	$NT_0 \to 277.616$	$NT_0 \to 278.293$	$NT_0 \to 278.988$
	$NT_0 \to 273.272$	$NT_0 \to 273.701$	$NT_0 \to 274.178$	$NT_0 \to 274.699$	$NT_0 \to 275.259$	$NT_0 \to 275.853$	$NT_0 \to 276.476$	$NT_0 \to 277.125$	$NT_0 \to 277.797$	$NT_0 \to 278.488$	$NT_0 \to 279.197$
24	$NT_0 \to 273.324$	$NT_0 \to 273.768$	$NT_0 \to 274.262$	$NT_0 \to 274.799$	$NT_0 \to 275.374$	$NT_0 \to 275.983$	$NT_0 \to 276.622$	$NT_0 \to 277.285$	$NT_0 \to 277.971$	$NT_0 \to 278.675$	$NT_0 \to 279.396$
	$NT_0 \to 273.376$	$NT_0 \to 273.835$	$NT_0 \to 274.343$	$NT_0 \to 274.896$	$NT_0 \to 275.487$	$NT_0 \to 276.11$	$NT_0 \to 276.763$	$NT_0 \to 277.44$	$NT_0 \to 278.138$	$NT_0 \to 278.854$	$NT_0 \to 279.587$
26	$NT_0 \to 273.426$	$NT_0 \to 273.9$	$NT_0 \to 274.423$	$NT_0 \to 274.991$	$NT_0 \to 275.596$	$NT_0 \to 276.234$	$NT_0 \to 276.899$	$NT_0 \to 277.589$	$NT_0 \to 278.299$	$NT_0 \to 279.026$	$NT_0 \to 279.769$
	$NT_0 \to 273.477$	$NT_0 \to 273.964$	$NT_0 \to 274.502$	$NT_0 \to 275.083$	$NT_0 \to 275.702$	$NT_0 \to 276.353$	$NT_0 \to 277.031$	$NT_0 \to 277.732$	$NT_0 \to 278.453$	$NT_0 \to 279.191$	$NT_0 \to 279.944$
28	$NT_0 \to 273.526$	$NT_0 \to 274.027$	$NT_0 \to 274.579$	$NT_0 \to 275.174$	$NT_0 \to 275.805$	$NT_0 \to 276.468$	$NT_0 \to 277.158$	$NT_0 \to 277.87$	$NT_0 \to 278.602$	$NT_0 \to 279.349$	$NT_0 \to 280.111$
	$NT_0 \to 273.575$	$NT_0 \to 274.089$	$NT_0 \to 274.654$	$NT_0 \to 275.262$	$NT_0 \to 275.906$	$NT_0 \to 276.58$	$NT_0 \to 277.281$	$NT_0 \to 278.004$	$NT_0 \to 278.744$	$NT_0 \to 279.501$	$NT_0 \to 280.271$
30	$NT_0 \to 273.623$	$NT_0 \to 274.15$	$NT_0 \to 274.728$	$NT_0 \to 275.347$	$NT_0 \to 276.003$	$NT_0 \to 276.689$	$NT_0 \to 277.4$	$NT_0 \to 278.132$	$NT_0 \to 278.882$	$NT_0 \to 279.647$	$NT_0 \to 280.424$

NT_0 values at the average temperature T_0=274°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 274.414$	$NT_0 \to 274.562$	$NT_0 \to 274.732$	$NT_0 \to 274.923$	$NT_0 \to 275.136$	$NT_0 \to 275.369$	$NT_0 \to 275.622$	$NT_0 \to 275.895$	$NT_0 \to 276.188$	$NT_0 \to 276.498$	$NT_0 \to 276.827$
	$NT_0 \to 274.473$	$NT_0 \to 274.642$	$NT_0 \to 274.835$	$NT_0 \to 275.053$	$NT_0 \to 275.294$	$NT_0 \to 275.558$	$NT_0 \to 275.845$	$NT_0 \to 276.153$	$NT_0 \to 276.482$	$NT_0 \to 276.831$	$NT_0 \to 277.199$
10	$NT_0 \to 274.532$	$NT_0 \to 274.721$	$NT_0 \to 274.938$	$NT_0 \to 275.181$	$NT_0 \to 275.45$	$NT_0 \to 275.744$	$NT_0 \to 276.063$	$NT_0 \to 276.404$	$NT_0 \to 276.768$	$NT_0 \to 277.154$	$NT_0 \to 277.559$
	$NT_0 \to 274.59$	$NT_0 \to 274.8$	$NT_0 \to 275.039$	$NT_0 \to 275.307$	$NT_0 \to 275.604$	$NT_0 \to 275.927$	$NT_0 \to 276.276$	$NT_0 \to 276.649$	$NT_0 \to 277.047$	$NT_0 \to 277.466$	$NT_0 \to 277.907$
12	$NT_0 \to 274.648$	$NT_0 \to 274.878$	$NT_0 \to 275.139$	$NT_0 \to 275.432$	$NT_0 \to 275.754$	$NT_0 \to 276.106$	$NT_0 \to 276.484$	$NT_0 \to 276.888$	$NT_0 \to 277.317$	$NT_0 \to 277.769$	$NT_0 \to 278.242$
	$NT_0 \to 274.706$	$NT_0 \to 274.955$	$NT_0 \to 275.238$	$NT_0 \to 275.555$	$NT_0 \to 275.903$	$NT_0 \to 276.281$	$NT_0 \to 276.687$	$NT_0 \to 277.121$	$NT_0 \to 277.579$	$NT_0 \to 278.061$	$NT_0 \to 278.565$
14	$NT_0 \to 274.763$	$NT_0 \to 275.031$	$NT_0 \to 275.336$	$NT_0 \to 275.675$	$NT_0 \to 276.048$	$NT_0 \to 276.452$	$NT_0 \to 276.885$	$NT_0 \to 277.346$	$NT_0 \to 277.832$	$NT_0 \to 278.342$	$NT_0 \to 278.874$
	$NT_0 \to 274.82$	$NT_0 \to 275.107$	$NT_0 \to 275.432$	$NT_0 \to 275.794$	$NT_0 \to 276.191$	$NT_0 \to 276.619$	$NT_0 \to 277.078$	$NT_0 \to 277.565$	$NT_0 \to 278.077$	$NT_0 \to 278.613$	$NT_0 \to 279.171$
16	$NT_0 \to 274.876$	$NT_0 \to 275.181$	$NT_0 \to 275.527$	$NT_0 \to 275.911$	$NT_0 \to 276.33$	$NT_0 \to 276.783$	$NT_0 \to 277.266$	$NT_0 \to 277.777$	$NT_0 \to 278.313$	$NT_0 \to 278.874$	$NT_0 \to 279.456$
	$NT_0 \to 274.932$	$NT_0 \to 275.255$	$NT_0 \to 275.621$	$NT_0 \to 276.026$	$NT_0 \to 276.467$	$NT_0 \to 276.942$	$NT_0 \to 277.448$	$NT_0 \to 277.982$	$NT_0 \to 278.541$	$NT_0 \to 279.124$	$NT_0 \to 279.728$
18	$NT_0 \to 274.987$	$NT_0 \to 275.328$	$NT_0 \to 275.713$	$NT_0 \to 276.138$	$NT_0 \to 276.6$	$NT_0 \to 277.097$	$NT_0 \to 277.624$	$NT_0 \to 278.18$	$NT_0 \to 278.761$	$NT_0 \to 279.364$	$NT_0 \to 279.989$
	$NT_0 \to 275.042$	$NT_0 \to 275.4$	$NT_0 \to 275.804$	$NT_0 \to 276.248$	$NT_0 \to 276.731$	$NT_0 \to 277.248$	$NT_0 \to 277.795$	$NT_0 \to 278.371$	$NT_0 \to 278.972$	$NT_0 \to 279.595$	$NT_0 \to 280.238$
20	$NT_0 \to 275.096$	$NT_0 \to 275.471$	$NT_0 \to 275.893$	$NT_0 \to 276.356$	$NT_0 \to 276.858$	$NT_0 \to 277.394$	$NT_0 \to 277.961$	$NT_0 \to 278.556$	$NT_0 \to 279.175$	$NT_0 \to 279.816$	$NT_0 \to 280.477$
	$NT_0 \to 275.149$	$NT_0 \to 275.541$	$NT_0 \to 275.98$	$NT_0 \to 276.462$	$NT_0 \to 276.982$	$NT_0 \to 277.537$	$NT_0 \to 278.122$	$NT_0 \to 278.734$	$NT_0 \to 279.371$	$NT_0 \to 280.028$	$NT_0 \to 280.705$
22	$NT_0 \to 275.202$	$NT_0 \to 275.61$	$NT_0 \to 276.066$	$NT_0 \to 276.565$	$NT_0 \to 277.103$	$NT_0 \to 277.675$	$NT_0 \to 278.277$	$NT_0 \to 278.906$	$NT_0 \to 279.559$	$NT_0 \to 280.232$	$NT_0 \to 280.923$
	$NT_0 \to 275.255$	$NT_0 \to 275.678$	$NT_0 \to 276.151$	$NT_0 \to 276.667$	$NT_0 \to 277.221$	$NT_0 \to 277.809$	$NT_0 \to 278.428$	$NT_0 \to 279.072$	$NT_0 \to 279.739$	$NT_0 \to 280.427$	$NT_0 \to 281.131$
24	$NT_0 \to 275.306$	$NT_0 \to 275.745$	$NT_0 \to 276.233$	$NT_0 \to 276.765$	$NT_0 \to 277.336$	$NT_0 \to 277.94$	$NT_0 \to 278.573$	$NT_0 \to 279.232$	$NT_0 \to 279.913$	$NT_0 \to 280.614$	$NT_0 \to 281.331$
	$NT_0 \to 275.357$	$NT_0 \to 275.811$	$NT_0 \to 276.315$	$NT_0 \to 276.862$	$NT_0 \to 277.447$	$NT_0 \to 278.066$	$NT_0 \to 278.714$	$NT_0 \to 279.386$	$NT_0 \to 280.08$	$NT_0 \to 280.793$	$NT_0 \to 281.521$
26	$NT_0 \to 275.408$	$NT_0 \to 275.876$	$NT_0 \to 276.394$	$NT_0 \to 276.956$	$NT_0 \to 277.556$	$NT_0 \to 278.189$	$NT_0 \to 278.85$	$NT_0 \to 279.535$	$NT_0 \to 280.241$	$NT_0 \to 280.965$	$NT_0 \to 281.704$
	$NT_0 \to 275.458$	$NT_0 \to 275.94$	$NT_0 \to 276.472$	$NT_0 \to 277.048$	$NT_0 \to 277.662$	$NT_0 \to 278.308$	$NT_0 \to 278.981$	$NT_0 \to 279.678$	$NT_0 \to 280.396$	$NT_0 \to 281.13$	$NT_0 \to 281.879$
28	$NT_0 \to 275.507$	$NT_0 \to 276.002$	$NT_0 \to 276.549$	$NT_0 \to 277.138$	$NT_0 \to 277.765$	$NT_0 \to 278.423$	$NT_0 \to 279.109$	$NT_0 \to 279.817$	$NT_0 \to 280.544$	$NT_0 \to 281.288$	$NT_0 \to 282.046$
	$NT_0 \to 275.555$	$NT_0 \to 276.064$	$NT_0 \to 276.623$	$NT_0 \to 277.226$	$NT_0 \to 277.865$	$NT_0 \to 278.535$	$NT_0 \to 279.231$	$NT_0 \to 279.95$	$NT_0 \to 280.687$	$NT_0 \to 281.44$	$NT_0 \to 282.207$
30	$NT_0 \to 275.603$	$NT_0 \to 276.124$	$NT_0 \to 276.696$	$NT_0 \to 277.311$	$NT_0 \to 277.962$	$NT_0 \to 278.644$	$NT_0 \to 279.35$	$NT_0 \to 280.079$	$NT_0 \to 280.825$	$NT_0 \to 281.586$	$NT_0 \to 282.361$

NT_0 values at the average temperature T_0=276°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$(NT_0 \to 276.408)$	$(NT_0 \to 276.553)$	$(NT_0 \to 276.721)$	$(NT_0 \to 276.909)$	$(NT_0 \to 277.119)$	$(NT_0 \to 277.349)$	$(NT_0 \to 277.598)$	$(NT_0 \to 277.868)$	$(NT_0 \to 278.156)$	$(NT_0 \to 278.462)$	$(NT_0 \to 278.786)$
	$(NT_0 \to 276.466)$	$(NT_0 \to 276.632)$	$(NT_0 \to 276.823)$	$(NT_0 \to 277.037)$	$(NT_0 \to 277.275)$	$(NT_0 \to 277.535)$	$(NT_0 \to 277.818)$	$(NT_0 \to 278.122)$	$(NT_0 \to 278.446)$	$(NT_0 \to 278.791)$	$(NT_0 \to 279.155)$
10	$(NT_0 \to 276.524)$	$(NT_0 \to 276.71)$	$(NT_0 \to 276.924)$	$(NT_0 \to 277.164)$	$(NT_0 \to 277.429)$	$(NT_0 \to 277.719)$	$(NT_0 \to 278.033)$	$(NT_0 \to 278.37)$	$(NT_0 \to 278.73)$	$(NT_0 \to 279.11)$	$(NT_0 \to 279.511)$
	$(NT_0 \to 276.581)$	$(NT_0 \to 276.788)$	$(NT_0 \to 277.024)$	$(NT_0 \to 277.288)$	$(NT_0 \to 277.581)$	$(NT_0 \to 277.9)$	$(NT_0 \to 278.244)$	$(NT_0 \to 278.613)$	$(NT_0 \to 279.006)$	$(NT_0 \to 279.42)$	$(NT_0 \to 279.856)$
12	$(NT_0 \to 276.639)$	$(NT_0 \to 276.865)$	$(NT_0 \to 277.123)$	$(NT_0 \to 277.411)$	$(NT_0 \to 277.73)$	$(NT_0 \to 278.076)$	$(NT_0 \to 278.45)$	$(NT_0 \to 278.85)$	$(NT_0 \to 279.273)$	$(NT_0 \to 279.72)$	$(NT_0 \to 280.188)$
	$(NT_0 \to 276.695)$	$(NT_0 \to 276.941)$	$(NT_0 \to 277.22)$	$(NT_0 \to 277.533)$	$(NT_0 \to 277.876)$	$(NT_0 \to 278.25)$	$(NT_0 \to 278.651)$	$(NT_0 \to 279.08)$	$(NT_0 \to 279.533)$	$(NT_0 \to 280.01)$	$(NT_0 \to 280.508)$
14	$(NT_0 \to 276.752)$	$(NT_0 \to 277.016)$	$(NT_0 \to 277.317)$	$(NT_0 \to 277.652)$	$(NT_0 \to 278.02)$	$(NT_0 \to 278.419)$	$(NT_0 \to 278.848)$	$(NT_0 \to 279.303)$	$(NT_0 \to 279.784)$	$(NT_0 \to 280.289)$	$(NT_0 \to 280.816)$
	$(NT_0 \to 276.808)$	$(NT_0 \to 277.091)$	$(NT_0 \to 277.412)$	$(NT_0 \to 277.77)$	$(NT_0 \to 278.161)$	$(NT_0 \to 278.585)$	$(NT_0 \to 279.039)$	$(NT_0 \to 279.52)$	$(NT_0 \to 280.027)$	$(NT_0 \to 280.558)$	$(NT_0 \to 281.111)$
16	$(NT_0 \to 276.864)$	$(NT_0 \to 277.165)$	$(NT_0 \to 277.506)$	$(NT_0 \to 277.885)$	$(NT_0 \to 278.3)$	$(NT_0 \to 278.747)$	$(NT_0 \to 279.225)$	$(NT_0 \to 279.73)$	$(NT_0 \to 280.262)$	$(NT_0 \to 280.817)$	$(NT_0 \to 281.394)$
	$(NT_0 \to 276.919)$	$(NT_0 \to 277.238)$	$(NT_0 \to 277.599)$	$(NT_0 \to 277.999)$	$(NT_0 \to 278.435)$	$(NT_0 \to 278.905)$	$(NT_0 \to 279.405)$	$(NT_0 \to 279.934)$	$(NT_0 \to 280.488)$	$(NT_0 \to 281.066)$	$(NT_0 \to 281.666)$
18	$(NT_0 \to 276.973)$	$(NT_0 \to 277.31)$	$(NT_0 \to 277.69)$	$(NT_0 \to 278.11)$	$(NT_0 \to 278.567)$	$(NT_0 \to 279.058)$	$(NT_0 \to 279.581)$	$(NT_0 \to 280.131)$	$(NT_0 \to 280.707)$	$(NT_0 \to 281.306)$	$(NT_0 \to 281.925)$
	$(NT_0 \to 277.027)$	$(NT_0 \to 277.381)$	$(NT_0 \to 277.78)$	$(NT_0 \to 278.219)$	$(NT_0 \to 278.697)$	$(NT_0 \to 279.208)$	$(NT_0 \to 279.751)$	$(NT_0 \to 280.321)$	$(NT_0 \to 280.917)$	$(NT_0 \to 281.535)$	$(NT_0 \to 282.174)$
20	$(NT_0 \to 277.081)$	$(NT_0 \to 277.452)$	$(NT_0 \to 277.868)$	$(NT_0 \to 278.326)$	$(NT_0 \to 278.823)$	$(NT_0 \to 279.354)$	$(NT_0 \to 279.916)$	$(NT_0 \to 280.505)$	$(NT_0 \to 281.12)$	$(NT_0 \to 281.756)$	$(NT_0 \to 282.412)$
	$(NT_0 \to 277.134)$	$(NT_0 \to 277.521)$	$(NT_0 \to 277.955)$	$(NT_0 \to 278.431)$	$(NT_0 \to 278.946)$	$(NT_0 \to 279.495)$	$(NT_0 \to 280.075)$	$(NT_0 \to 280.683)$	$(NT_0 \to 281.315)$	$(NT_0 \to 281.968)$	$(NT_0 \to 282.64)$
22	$(NT_0 \to 277.186)$	$(NT_0 \to 277.589)$	$(NT_0 \to 278.04)$	$(NT_0 \to 278.534)$	$(NT_0 \to 279.066)$	$(NT_0 \to 279.633)$	$(NT_0 \to 280.23)$	$(NT_0 \to 280.854)$	$(NT_0 \to 281.502)$	$(NT_0 \to 282.171)$	$(NT_0 \to 282.858)$
	$(NT_0 \to 277.238)$	$(NT_0 \to 277.656)$	$(NT_0 \to 278.124)$	$(NT_0 \to 278.634)$	$(NT_0 \to 279.183)$	$(NT_0 \to 279.767)$	$(NT_0 \to 280.38)$	$(NT_0 \to 281.02)$	$(NT_0 \to 281.683)$	$(NT_0 \to 282.365)$	$(NT_0 \to 283.066)$
24	$(NT_0 \to 277.289)$	$(NT_0 \to 277.723)$	$(NT_0 \to 278.206)$	$(NT_0 \to 278.732)$	$(NT_0 \to 279.298)$	$(NT_0 \to 279.897)$	$(NT_0 \to 280.525)$	$(NT_0 \to 281.179)$	$(NT_0 \to 281.856)$	$(NT_0 \to 282.552)$	$(NT_0 \to 283.266)$
	$(NT_0 \to 277.339)$	$(NT_0 \to 277.788)$	$(NT_0 \to 278.286)$	$(NT_0 \to 278.828)$	$(NT_0 \to 279.409)$	$(NT_0 \to 280.023)$	$(NT_0 \to 280.665)$	$(NT_0 \to 281.333)$	$(NT_0 \to 282.023)$	$(NT_0 \to 282.732)$	$(NT_0 \to 283.457)$
26	$(NT_0 \to 277.389)$	$(NT_0 \to 277.852)$	$(NT_0 \to 278.365)$	$(NT_0 \to 278.922)$	$(NT_0 \to 279.517)$	$(NT_0 \to 280.145)$	$(NT_0 \to 280.801)$	$(NT_0 \to 281.482)$	$(NT_0 \to 282.184)$	$(NT_0 \to 282.904)$	$(NT_0 \to 283.639)$
	$(NT_0 \to 277.439)$	$(NT_0 \to 277.916)$	$(NT_0 \to 278.443)$	$(NT_0 \to 279.014)$	$(NT_0 \to 279.622)$	$(NT_0 \to 280.263)$	$(NT_0 \to 280.932)$	$(NT_0 \to 281.625)$	$(NT_0 \to 282.338)$	$(NT_0 \to 283.069)$	$(NT_0 \to 283.815)$
28	$(NT_0 \to 277.487)$	$(NT_0 \to 277.978)$	$(NT_0 \to 278.519)$	$(NT_0 \to 279.103)$	$(NT_0 \to 279.725)$	$(NT_0 \to 280.379)$	$(NT_0 \to 281.059)$	$(NT_0 \to 281.763)$	$(NT_0 \to 282.487)$	$(NT_0 \to 283.228)$	$(NT_0 \to 283.983)$
	$(NT_0 \to 277.535)$	$(NT_0 \to 278.039)$	$(NT_0 \to 278.593)$	$(NT_0 \to 279.19)$	$(NT_0 \to 279.825)$	$(NT_0 \to 280.49)$	$(NT_0 \to 281.182)$	$(NT_0 \to 281.897)$	$(NT_0 \to 282.63)$	$(NT_0 \to 283.38)$	$(NT_0 \to 284.144)$
30	$(NT_0 \to 277.583)$	$(NT_0 \to 278.099)$	$(NT_0 \to 278.666)$	$(NT_0 \to 279.276)$	$(NT_0 \to 279.922)$	$(NT_0 \to 280.598)$	$(NT_0 \to 281.301)$	$(NT_0 \to 282.025)$	$(NT_0 \to 282.768)$	$(NT_0 \to 283.526)$	$(NT_0 \to 284.298)$

NT_0 values at the average temperature T_0=278°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 278.401$	$NT_0 \to 278.545$	$NT_0 \to 278.71$	$NT_0 \to 278.896$	$NT_0 \to 279.102$	$NT_0 \to 279.329$	$NT_0 \to 279.575$	$NT_0 \to 279.84$	$NT_0 \to 280.124$	$NT_0 \to 280.427$	$NT_0 \to 280.747$
10	$NT_0 \to 278.459$	$NT_0 \to 278.623$	$NT_0 \to 278.811$	$NT_0 \to 279.022$	$NT_0 \to 279.256$	$NT_0 \to 279.513$	$NT_0 \to 279.792$	$NT_0 \to 280.091$	$NT_0 \to 280.412$	$NT_0 \to 280.752$	$NT_0 \to 281.111$
12	$NT_0 \to 278.516$	$NT_0 \to 278.7$	$NT_0 \to 278.91$	$NT_0 \to 279.147$	$NT_0 \to 279.408$	$NT_0 \to 279.695$	$NT_0 \to 280.004$	$NT_0 \to 280.337$	$NT_0 \to 280.692$	$NT_0 \to 281.068$	$NT_0 \to 281.464$
14	$NT_0 \to 278.573$	$NT_0 \to 278.776$	$NT_0 \to 279.009$	$NT_0 \to 279.27$	$NT_0 \to 279.558$	$NT_0 \to 279.873$	$NT_0 \to 280.213$	$NT_0 \to 280.577$	$NT_0 \to 280.965$	$NT_0 \to 281.375$	$NT_0 \to 281.806$
16	$NT_0 \to 278.629$	$NT_0 \to 278.852$	$NT_0 \to 279.107$	$NT_0 \to 279.391$	$NT_0 \to 279.706$	$NT_0 \to 280.048$	$NT_0 \to 280.417$	$NT_0 \to 280.811$	$NT_0 \to 281.23$	$NT_0 \to 281.672$	$NT_0 \to 282.135$
18	$NT_0 \to 278.685$	$NT_0 \to 278.927$	$NT_0 \to 279.203$	$NT_0 \to 279.511$	$NT_0 \to 279.851$	$NT_0 \to 280.219$	$NT_0 \to 280.616$	$NT_0 \to 281.039$	$NT_0 \to 281.488$	$NT_0 \to 281.959$	$NT_0 \to 282.453$
20	$NT_0 \to 278.741$	$NT_0 \to 279.002$	$NT_0 \to 279.299$	$NT_0 \to 279.629$	$NT_0 \to 279.993$	$NT_0 \to 280.387$	$NT_0 \to 280.811$	$NT_0 \to 281.261$	$NT_0 \to 281.737$	$NT_0 \to 282.237$	$NT_0 \to 282.758$
22	$NT_0 \to 278.796$	$NT_0 \to 279.076$	$NT_0 \to 279.393$	$NT_0 \to 279.746$	$NT_0 \to 280.133$	$NT_0 \to 280.551$	$NT_0 \to 281.$	$NT_0 \to 281.476$	$NT_0 \to 281.978$	$NT_0 \to 282.504$	$NT_0 \to 283.052$
24	$NT_0 \to 278.851$	$NT_0 \to 279.149$	$NT_0 \to 279.486$	$NT_0 \to 279.86$	$NT_0 \to 280.27$	$NT_0 \to 280.712$	$NT_0 \to 281.184$	$NT_0 \to 281.685$	$NT_0 \to 282.211$	$NT_0 \to 282.762$	$NT_0 \to 283.334$
26	$NT_0 \to 278.906$	$NT_0 \to 279.221$	$NT_0 \to 279.577$	$NT_0 \to 279.972$	$NT_0 \to 280.404$	$NT_0 \to 280.868$	$NT_0 \to 281.363$	$NT_0 \to 281.887$	$NT_0 \to 282.436$	$NT_0 \to 283.009$	$NT_0 \to 283.604$
28	$NT_0 \to 278.96$	$NT_0 \to 279.292$	$NT_0 \to 279.667$	$NT_0 \to 280.083$	$NT_0 \to 280.535$	$NT_0 \to 281.021$	$NT_0 \to 281.538$	$NT_0 \to 282.083$	$NT_0 \to 282.654$	$NT_0 \to 283.248$	$NT_0 \to 283.863$
30	$NT_0 \to 279.013$	$NT_0 \to 279.363$	$NT_0 \to 279.756$	$NT_0 \to 280.191$	$NT_0 \to 280.663$	$NT_0 \to 281.169$	$NT_0 \to 281.707$	$NT_0 \to 282.272$	$NT_0 \to 282.863$	$NT_0 \to 283.477$	$NT_0 \to 284.111$
	$NT_0 \to 279.066$	$NT_0 \to 279.432$	$NT_0 \to 279.844$	$NT_0 \to 280.297$	$NT_0 \to 280.788$	$NT_0 \to 281.314$	$NT_0 \to 281.871$	$NT_0 \to 282.455$	$NT_0 \to 283.065$	$NT_0 \to 283.696$	$NT_0 \to 284.348$
	$NT_0 \to 279.118$	$NT_0 \to 279.501$	$NT_0 \to 279.93$	$NT_0 \to 280.401$	$NT_0 \to 280.911$	$NT_0 \to 281.455$	$NT_0 \to 282.03$	$NT_0 \to 282.632$	$NT_0 \to 283.259$	$NT_0 \to 283.908$	$NT_0 \to 284.575$
	$NT_0 \to 279.17$	$NT_0 \to 279.568$	$NT_0 \to 280.014$	$NT_0 \to 280.503$	$NT_0 \to 281.03$	$NT_0 \to 281.592$	$NT_0 \to 282.184$	$NT_0 \to 282.803$	$NT_0 \to 283.446$	$NT_0 \to 284.11$	$NT_0 \to 284.793$
	$NT_0 \to 279.221$	$NT_0 \to 279.635$	$NT_0 \to 280.097$	$NT_0 \to 280.602$	$NT_0 \to 281.146$	$NT_0 \to 281.725$	$NT_0 \to 282.333$	$NT_0 \to 282.968$	$NT_0 \to 283.626$	$NT_0 \to 284.305$	$NT_0 \to 285.001$
	$NT_0 \to 279.272$	$NT_0 \to 279.701$	$NT_0 \to 280.179$	$NT_0 \to 280.7$	$NT_0 \to 281.26$	$NT_0 \to 281.854$	$NT_0 \to 282.477$	$NT_0 \to 283.127$	$NT_0 \to 283.799$	$NT_0 \to 284.492$	$NT_0 \to 285.201$
	$NT_0 \to 279.322$	$NT_0 \to 279.765$	$NT_0 \to 280.258$	$NT_0 \to 280.795$	$NT_0 \to 281.37$	$NT_0 \to 281.979$	$NT_0 \to 282.617$	$NT_0 \to 283.281$	$NT_0 \to 283.966$	$NT_0 \to 284.671$	$NT_0 \to 285.392$
	$NT_0 \to 279.371$	$NT_0 \to 279.829$	$NT_0 \to 280.337$	$NT_0 \to 280.888$	$NT_0 \to 281.478$	$NT_0 \to 282.101$	$NT_0 \to 282.753$	$NT_0 \to 283.429$	$NT_0 \to 284.127$	$NT_0 \to 284.843$	$NT_0 \to 285.575$
	$NT_0 \to 279.42$	$NT_0 \to 279.892$	$NT_0 \to 280.414$	$NT_0 \to 280.979$	$NT_0 \to 281.583$	$NT_0 \to 282.219$	$NT_0 \to 282.884$	$NT_0 \to 283.572$	$NT_0 \to 284.281$	$NT_0 \to 285.008$	$NT_0 \to 285.751$
	$NT_0 \to 279.468$	$NT_0 \to 279.954$	$NT_0 \to 280.489$	$NT_0 \to 281.068$	$NT_0 \to 281.685$	$NT_0 \to 282.334$	$NT_0 \to 283.011$	$NT_0 \to 283.711$	$NT_0 \to 284.43$	$NT_0 \to 285.167$	$NT_0 \to 285.919$
	$NT_0 \to 279.516$	$NT_0 \to 280.014$	$NT_0 \to 280.563$	$NT_0 \to 281.155$	$NT_0 \to 281.785$	$NT_0 \to 282.446$	$NT_0 \to 283.133$	$NT_0 \to 283.844$	$NT_0 \to 284.574$	$NT_0 \to 285.32$	$NT_0 \to 286.08$
	$NT_0 \to 279.563$	$NT_0 \to 280.074$	$NT_0 \to 280.635$	$NT_0 \to 281.24$	$NT_0 \to 281.881$	$NT_0 \to 282.554$	$NT_0 \to 283.252$	$NT_0 \to 283.973$	$NT_0 \to 284.712$	$NT_0 \to 285.467$	$NT_0 \to 286.235$

NT_0 values at the average temperature T_0=280°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$(NT_0 \to 280.395)$	$(NT_0 \to 280.537)$	$(NT_0 \to 280.699)$	$(NT_0 \to 280.882)$	$(NT_0 \to 281.086)$	$(NT_0 \to 281.309)$	$(NT_0 \to 281.552)$	$(NT_0 \to 281.813)$	$(NT_0 \to 282.094)$	$(NT_0 \to 282.392)$	$(NT_0 \to 282.708)$
10	$(NT_0 \to 280.452)$	$(NT_0 \to 280.613)$	$(NT_0 \to 280.798)$	$(NT_0 \to 281.007)$	$(NT_0 \to 281.238)$	$(NT_0 \to 281.491)$	$(NT_0 \to 281.766)$	$(NT_0 \to 282.062)$	$(NT_0 \to 282.378)$	$(NT_0 \to 282.713)$	$(NT_0 \to 283.068)$
12	$(NT_0 \to 280.508)$	$(NT_0 \to 280.689)$	$(NT_0 \to 280.897)$	$(NT_0 \to 281.13)$	$(NT_0 \to 281.388)$	$(NT_0 \to 281.67)$	$(NT_0 \to 281.976)$	$(NT_0 \to 282.305)$	$(NT_0 \to 282.655)$	$(NT_0 \to 283.026)$	$(NT_0 \to 283.418)$
14	$(NT_0 \to 280.564)$	$(NT_0 \to 280.765)$	$(NT_0 \to 280.994)$	$(NT_0 \to 281.252)$	$(NT_0 \to 281.536)$	$(NT_0 \to 281.847)$	$(NT_0 \to 282.182)$	$(NT_0 \to 282.542)$	$(NT_0 \to 282.925)$	$(NT_0 \to 283.33)$	$(NT_0 \to 283.756)$
16	$(NT_0 \to 280.62)$	$(NT_0 \to 280.84)$	$(NT_0 \to 281.091)$	$(NT_0 \to 281.372)$	$(NT_0 \to 281.682)$	$(NT_0 \to 282.02)$	$(NT_0 \to 282.384)$	$(NT_0 \to 282.774)$	$(NT_0 \to 283.188)$	$(NT_0 \to 283.625)$	$(NT_0 \to 284.083)$
18	$(NT_0 \to 280.676)$	$(NT_0 \to 280.914)$	$(NT_0 \to 281.186)$	$(NT_0 \to 281.49)$	$(NT_0 \to 281.825)$	$(NT_0 \to 282.189)$	$(NT_0 \to 282.581)$	$(NT_0 \to 283.)$	$(NT_0 \to 283.443)$	$(NT_0 \to 283.91)$	$(NT_0 \to 284.398)$
20	$(NT_0 \to 280.731)$	$(NT_0 \to 280.988)$	$(NT_0 \to 281.28)$	$(NT_0 \to 281.607)$	$(NT_0 \to 281.966)$	$(NT_0 \to 282.356)$	$(NT_0 \to 282.774)$	$(NT_0 \to 283.219)$	$(NT_0 \to 283.69)$	$(NT_0 \to 284.185)$	$(NT_0 \to 284.702)$
22	$(NT_0 \to 280.785)$	$(NT_0 \to 281.061)$	$(NT_0 \to 281.374)$	$(NT_0 \to 281.722)$	$(NT_0 \to 282.104)$	$(NT_0 \to 282.518)$	$(NT_0 \to 282.962)$	$(NT_0 \to 283.433)$	$(NT_0 \to 283.93)$	$(NT_0 \to 284.451)$	$(NT_0 \to 284.993)$
24	$(NT_0 \to 280.839)$	$(NT_0 \to 281.133)$	$(NT_0 \to 281.465)$	$(NT_0 \to 281.835)$	$(NT_0 \to 282.24)$	$(NT_0 \to 282.677)$	$(NT_0 \to 283.144)$	$(NT_0 \to 283.64)$	$(NT_0 \to 284.161)$	$(NT_0 \to 284.707)$	$(NT_0 \to 285.274)$
26	$(NT_0 \to 280.893)$	$(NT_0 \to 281.204)$	$(NT_0 \to 281.556)$	$(NT_0 \to 281.946)$	$(NT_0 \to 282.373)$	$(NT_0 \to 282.832)$	$(NT_0 \to 283.322)$	$(NT_0 \to 283.841)$	$(NT_0 \to 284.385)$	$(NT_0 \to 284.953)$	$(NT_0 \to 285.542)$
28	$(NT_0 \to 280.946)$	$(NT_0 \to 281.275)$	$(NT_0 \to 281.645)$	$(NT_0 \to 282.056)$	$(NT_0 \to 282.503)$	$(NT_0 \to 282.983)$	$(NT_0 \to 283.495)$	$(NT_0 \to 284.035)$	$(NT_0 \to 284.601)$	$(NT_0 \to 285.19)$	$(NT_0 \to 285.8)$
30	$(NT_0 \to 280.999)$	$(NT_0 \to 281.344)$	$(NT_0 \to 281.733)$	$(NT_0 \to 282.163)$	$(NT_0 \to 282.63)$	$(NT_0 \to 283.131)$	$(NT_0 \to 283.663)$	$(NT_0 \to 284.224)$	$(NT_0 \to 284.809)$	$(NT_0 \to 285.418)$	$(NT_0 \to 286.048)$
	$(NT_0 \to 281.051)$	$(NT_0 \to 281.413)$	$(NT_0 \to 281.82)$	$(NT_0 \to 282.268)$	$(NT_0 \to 282.754)$	$(NT_0 \to 283.275)$	$(NT_0 \to 283.826)$	$(NT_0 \to 284.406)$	$(NT_0 \to 285.01)$	$(NT_0 \to 285.637)$	$(NT_0 \to 286.284)$
	$(NT_0 \to 281.103)$	$(NT_0 \to 281.481)$	$(NT_0 \to 281.905)$	$(NT_0 \to 282.371)$	$(NT_0 \to 282.876)$	$(NT_0 \to 283.414)$	$(NT_0 \to 283.984)$	$(NT_0 \to 284.582)$	$(NT_0 \to 285.204)$	$(NT_0 \to 285.848)$	$(NT_0 \to 286.511)$
	$(NT_0 \to 281.154)$	$(NT_0 \to 281.548)$	$(NT_0 \to 281.989)$	$(NT_0 \to 282.472)$	$(NT_0 \to 282.994)$	$(NT_0 \to 283.551)$	$(NT_0 \to 284.138)$	$(NT_0 \to 284.752)$	$(NT_0 \to 285.391)$	$(NT_0 \to 286.05)$	$(NT_0 \to 286.729)$
	$(NT_0 \to 281.205)$	$(NT_0 \to 281.614)$	$(NT_0 \to 282.071)$	$(NT_0 \to 282.571)$	$(NT_0 \to 283.11)$	$(NT_0 \to 283.683)$	$(NT_0 \to 284.286)$	$(NT_0 \to 284.917)$	$(NT_0 \to 285.57)$	$(NT_0 \to 286.245)$	$(NT_0 \to 286.937)$
	$(NT_0 \to 281.255)$	$(NT_0 \to 281.679)$	$(NT_0 \to 282.152)$	$(NT_0 \to 282.668)$	$(NT_0 \to 283.223)$	$(NT_0 \to 283.812)$	$(NT_0 \to 284.43)$	$(NT_0 \to 285.075)$	$(NT_0 \to 285.743)$	$(NT_0 \to 286.431)$	$(NT_0 \to 287.137)$
	$(NT_0 \to 281.305)$	$(NT_0 \to 281.743)$	$(NT_0 \to 282.231)$	$(NT_0 \to 282.763)$	$(NT_0 \to 283.333)$	$(NT_0 \to 283.937)$	$(NT_0 \to 284.57)$	$(NT_0 \to 285.229)$	$(NT_0 \to 285.91)$	$(NT_0 \to 286.61)$	$(NT_0 \to 287.328)$
	$(NT_0 \to 281.354)$	$(NT_0 \to 281.806)$	$(NT_0 \to 282.309)$	$(NT_0 \to 282.855)$	$(NT_0 \to 283.44)$	$(NT_0 \to 284.058)$	$(NT_0 \to 284.705)$	$(NT_0 \to 285.377)$	$(NT_0 \to 286.07)$	$(NT_0 \to 286.783)$	$(NT_0 \to 287.511)$
	$(NT_0 \to 281.402)$	$(NT_0 \to 281.869)$	$(NT_0 \to 282.385)$	$(NT_0 \to 282.946)$	$(NT_0 \to 283.544)$	$(NT_0 \to 284.176)$	$(NT_0 \to 284.836)$	$(NT_0 \to 285.52)$	$(NT_0 \to 286.225)$	$(NT_0 \to 286.948)$	$(NT_0 \to 287.687)$
	$(NT_0 \to 281.45)$	$(NT_0 \to 281.93)$	$(NT_0 \to 282.46)$	$(NT_0 \to 283.034)$	$(NT_0 \to 283.646)$	$(NT_0 \to 284.29)$	$(NT_0 \to 284.962)$	$(NT_0 \to 285.658)$	$(NT_0 \to 286.374)$	$(NT_0 \to 287.107)$	$(NT_0 \to 287.856)$
	$(NT_0 \to 281.497)$	$(NT_0 \to 281.99)$	$(NT_0 \to 282.534)$	$(NT_0 \to 283.121)$	$(NT_0 \to 283.745)$	$(NT_0 \to 284.402)$	$(NT_0 \to 285.085)$	$(NT_0 \to 285.791)$	$(NT_0 \to 286.517)$	$(NT_0 \to 287.26)$	$(NT_0 \to 288.017)$
	$(NT_0 \to 281.543)$	$(NT_0 \to 282.049)$	$(NT_0 \to 282.606)$	$(NT_0 \to 283.205)$	$(NT_0 \to 283.842)$	$(NT_0 \to 284.509)$	$(NT_0 \to 285.204)$	$(NT_0 \to 285.92)$	$(NT_0 \to 286.656)$	$(NT_0 \to 287.407)$	$(NT_0 \to 288.173)$

NT_0 values at the average temperature T_0=282°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$(NT_0 \to 282.389)$	$(NT_0 \to 282.529)$	$(NT_0 \to 282.689)$	$(NT_0 \to 282.869)$	$(NT_0 \to 283.07)$	$(NT_0 \to 283.29)$	$(NT_0 \to 283.529)$	$(NT_0 \to 283.787)$	$(NT_0 \to 284.064)$	$(NT_0 \to 284.358)$	$(NT_0 \to 284.669)$
10	$(NT_0 \to 282.445)$	$(NT_0 \to 282.604)$	$(NT_0 \to 282.787)$	$(NT_0 \to 282.992)$	$(NT_0 \to 283.22)$	$(NT_0 \to 283.47)$	$(NT_0 \to 283.741)$	$(NT_0 \to 284.032)$	$(NT_0 \to 284.344)$	$(NT_0 \to 284.676)$	$(NT_0 \to 285.026)$
	$(NT_0 \to 282.501)$	$(NT_0 \to 282.679)$	$(NT_0 \to 282.884)$	$(NT_0 \to 283.114)$	$(NT_0 \to 283.368)$	$(NT_0 \to 283.647)$	$(NT_0 \to 283.949)$	$(NT_0 \to 284.273)$	$(NT_0 \to 284.619)$	$(NT_0 \to 284.985)$	$(NT_0 \to 285.372)$
12	$(NT_0 \to 282.556)$	$(NT_0 \to 282.754)$	$(NT_0 \to 282.98)$	$(NT_0 \to 283.234)$	$(NT_0 \to 283.514)$	$(NT_0 \to 283.821)$	$(NT_0 \to 284.152)$	$(NT_0 \to 284.508)$	$(NT_0 \to 284.886)$	$(NT_0 \to 285.286)$	$(NT_0 \to 285.707)$
	$(NT_0 \to 282.611)$	$(NT_0 \to 282.828)$	$(NT_0 \to 283.075)$	$(NT_0 \to 283.353)$	$(NT_0 \to 283.659)$	$(NT_0 \to 283.992)$	$(NT_0 \to 284.352)$	$(NT_0 \to 284.737)$	$(NT_0 \to 285.146)$	$(NT_0 \to 285.578)$	$(NT_0 \to 286.032)$
14	$(NT_0 \to 282.666)$	$(NT_0 \to 282.901)$	$(NT_0 \to 283.17)$	$(NT_0 \to 283.47)$	$(NT_0 \to 283.8)$	$(NT_0 \to 284.16)$	$(NT_0 \to 284.547)$	$(NT_0 \to 284.961)$	$(NT_0 \to 285.399)$	$(NT_0 \to 285.861)$	$(NT_0 \to 286.344)$
	$(NT_0 \to 282.72)$	$(NT_0 \to 282.974)$	$(NT_0 \to 283.263)$	$(NT_0 \to 283.585)$	$(NT_0 \to 283.94)$	$(NT_0 \to 284.324)$	$(NT_0 \to 284.738)$	$(NT_0 \to 285.179)$	$(NT_0 \to 285.644)$	$(NT_0 \to 286.134)$	$(NT_0 \to 286.646)$
16	$(NT_0 \to 282.774)$	$(NT_0 \to 283.046)$	$(NT_0 \to 283.355)$	$(NT_0 \to 283.699)$	$(NT_0 \to 284.076)$	$(NT_0 \to 284.485)$	$(NT_0 \to 284.924)$	$(NT_0 \to 285.39)$	$(NT_0 \to 285.882)$	$(NT_0 \to 286.398)$	$(NT_0 \to 286.936)$
	$(NT_0 \to 282.828)$	$(NT_0 \to 283.117)$	$(NT_0 \to 283.446)$	$(NT_0 \to 283.811)$	$(NT_0 \to 284.211)$	$(NT_0 \to 284.643)$	$(NT_0 \to 285.105)$	$(NT_0 \to 285.596)$	$(NT_0 \to 286.112)$	$(NT_0 \to 286.652)$	$(NT_0 \to 287.214)$
18	$(NT_0 \to 282.881)$	$(NT_0 \to 283.188)$	$(NT_0 \to 283.535)$	$(NT_0 \to 283.921)$	$(NT_0 \to 284.342)$	$(NT_0 \to 284.797)$	$(NT_0 \to 285.282)$	$(NT_0 \to 285.795)$	$(NT_0 \to 286.334)$	$(NT_0 \to 286.897)$	$(NT_0 \to 287.482)$
	$(NT_0 \to 282.933)$	$(NT_0 \to 283.257)$	$(NT_0 \to 283.624)$	$(NT_0 \to 284.029)$	$(NT_0 \to 284.471)$	$(NT_0 \to 284.947)$	$(NT_0 \to 285.453)$	$(NT_0 \to 285.988)$	$(NT_0 \to 286.549)$	$(NT_0 \to 287.133)$	$(NT_0 \to 287.739)$
20	$(NT_0 \to 282.985)$	$(NT_0 \to 283.326)$	$(NT_0 \to 283.711)$	$(NT_0 \to 284.135)$	$(NT_0 \to 284.597)$	$(NT_0 \to 285.093)$	$(NT_0 \to 285.62)$	$(NT_0 \to 286.176)$	$(NT_0 \to 286.757)$	$(NT_0 \to 287.361)$	$(NT_0 \to 287.985)$
	$(NT_0 \to 283.037)$	$(NT_0 \to 283.394)$	$(NT_0 \to 283.796)$	$(NT_0 \to 284.239)$	$(NT_0 \to 284.72)$	$(NT_0 \to 285.236)$	$(NT_0 \to 285.782)$	$(NT_0 \to 286.357)$	$(NT_0 \to 286.957)$	$(NT_0 \to 287.579)$	$(NT_0 \to 288.222)$
22	$(NT_0 \to 283.088)$	$(NT_0 \to 283.461)$	$(NT_0 \to 283.881)$	$(NT_0 \to 284.342)$	$(NT_0 \to 284.841)$	$(NT_0 \to 285.375)$	$(NT_0 \to 285.94)$	$(NT_0 \to 286.532)$	$(NT_0 \to 287.15)$	$(NT_0 \to 287.789)$	$(NT_0 \to 288.448)$
	$(NT_0 \to 283.139)$	$(NT_0 \to 283.528)$	$(NT_0 \to 283.964)$	$(NT_0 \to 284.442)$	$(NT_0 \to 284.959)$	$(NT_0 \to 285.51)$	$(NT_0 \to 286.092)$	$(NT_0 \to 286.702)$	$(NT_0 \to 287.336)$	$(NT_0 \to 287.991)$	$(NT_0 \to 288.665)$
24	$(NT_0 \to 283.189)$	$(NT_0 \to 283.593)$	$(NT_0 \to 284.045)$	$(NT_0 \to 284.54)$	$(NT_0 \to 285.074)$	$(NT_0 \to 285.642)$	$(NT_0 \to 286.24)$	$(NT_0 \to 286.866)$	$(NT_0 \to 287.515)$	$(NT_0 \to 288.185)$	$(NT_0 \to 288.873)$
	$(NT_0 \to 283.239)$	$(NT_0 \to 283.658)$	$(NT_0 \to 284.125)$	$(NT_0 \to 284.636)$	$(NT_0 \to 285.186)$	$(NT_0 \to 285.77)$	$(NT_0 \to 286.384)$	$(NT_0 \to 287.024)$	$(NT_0 \to 287.688)$	$(NT_0 \to 288.371)$	$(NT_0 \to 289.073)$
26	$(NT_0 \to 283.288)$	$(NT_0 \to 283.721)$	$(NT_0 \to 284.204)$	$(NT_0 \to 284.73)$	$(NT_0 \to 285.295)$	$(NT_0 \to 285.894)$	$(NT_0 \to 286.523)$	$(NT_0 \to 287.177)$	$(NT_0 \to 287.854)$	$(NT_0 \to 288.551)$	$(NT_0 \to 289.264)$
	$(NT_0 \to 283.336)$	$(NT_0 \to 283.784)$	$(NT_0 \to 284.281)$	$(NT_0 \to 284.822)$	$(NT_0 \to 285.402)$	$(NT_0 \to 286.015)$	$(NT_0 \to 286.657)$	$(NT_0 \to 287.325)$	$(NT_0 \to 288.014)$	$(NT_0 \to 288.723)$	$(NT_0 \to 289.448)$
28	$(NT_0 \to 283.384)$	$(NT_0 \to 283.845)$	$(NT_0 \to 284.357)$	$(NT_0 \to 284.912)$	$(NT_0 \to 285.506)$	$(NT_0 \to 286.133)$	$(NT_0 \to 286.788)$	$(NT_0 \to 287.468)$	$(NT_0 \to 288.169)$	$(NT_0 \to 288.888)$	$(NT_0 \to 289.624)$
	$(NT_0 \to 283.431)$	$(NT_0 \to 283.906)$	$(NT_0 \to 284.431)$	$(NT_0 \to 285.)$	$(NT_0 \to 285.607)$	$(NT_0 \to 286.247)$	$(NT_0 \to 286.914)$	$(NT_0 \to 287.606)$	$(NT_0 \to 288.318)$	$(NT_0 \to 289.048)$	$(NT_0 \to 289.792)$
30	$(NT_0 \to 283.478)$	$(NT_0 \to 283.966)$	$(NT_0 \to 284.504)$	$(NT_0 \to 285.086)$	$(NT_0 \to 285.706)$	$(NT_0 \to 286.358)$	$(NT_0 \to 287.037)$	$(NT_0 \to 287.739)$	$(NT_0 \to 288.461)$	$(NT_0 \to 289.201)$	$(NT_0 \to 289.955)$
	$(NT_0 \to 283.524)$	$(NT_0 \to 284.025)$	$(NT_0 \to 284.576)$	$(NT_0 \to 285.171)$	$(NT_0 \to 285.802)$	$(NT_0 \to 286.466)$	$(NT_0 \to 287.155)$	$(NT_0 \to 287.868)$	$(NT_0 \to 288.6)$	$(NT_0 \to 289.348)$	$(NT_0 \to 290.11)$

NT_0 values at the average temperature T_0=284°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$(NT_0 \to 284.383)$	$(NT_0 \to 284.521)$	$(NT_0 \to 284.679)$	$(NT_0 \to 284.856)$	$(NT_0 \to 285.054)$	$(NT_0 \to 285.271)$	$(NT_0 \to 285.507)$	$(NT_0 \to 285.761)$	$(NT_0 \to 286.034)$	$(NT_0 \to 286.324)$	$(NT_0 \to 286.632)$
10	$(NT_0 \to 284.439)$	$(NT_0 \to 284.595)$	$(NT_0 \to 284.775)$	$(NT_0 \to 284.978)$	$(NT_0 \to 285.202)$	$(NT_0 \to 285.449)$	$(NT_0 \to 285.716)$	$(NT_0 \to 286.004)$	$(NT_0 \to 286.312)$	$(NT_0 \to 286.639)$	$(NT_0 \to 286.985)$
12	$(NT_0 \to 284.493)$	$(NT_0 \to 284.669)$	$(NT_0 \to 284.871)$	$(NT_0 \to 285.098)$	$(NT_0 \to 285.349)$	$(NT_0 \to 285.624)$	$(NT_0 \to 285.921)$	$(NT_0 \to 286.241)$	$(NT_0 \to 286.583)$	$(NT_0 \to 286.945)$	$(NT_0 \to 287.327)$
14	$(NT_0 \to 284.548)$	$(NT_0 \to 284.743)$	$(NT_0 \to 284.966)$	$(NT_0 \to 285.216)$	$(NT_0 \to 285.493)$	$(NT_0 \to 285.796)$	$(NT_0 \to 286.123)$	$(NT_0 \to 286.474)$	$(NT_0 \to 286.848)$	$(NT_0 \to 287.243)$	$(NT_0 \to 287.659)$
16	$(NT_0 \to 284.602)$	$(NT_0 \to 284.816)$	$(NT_0 \to 285.06)$	$(NT_0 \to 285.334)$	$(NT_0 \to 285.636)$	$(NT_0 \to 285.965)$	$(NT_0 \to 286.32)$	$(NT_0 \to 286.701)$	$(NT_0 \to 287.105)$	$(NT_0 \to 287.532)$	$(NT_0 \to 287.981)$
18	$(NT_0 \to 284.656)$	$(NT_0 \to 284.888)$	$(NT_0 \to 285.153)$	$(NT_0 \to 285.449)$	$(NT_0 \to 285.776)$	$(NT_0 \to 286.131)$	$(NT_0 \to 286.514)$	$(NT_0 \to 286.923)$	$(NT_0 \to 287.356)$	$(NT_0 \to 287.813)$	$(NT_0 \to 288.291)$
20	$(NT_0 \to 284.71)$	$(NT_0 \to 284.96)$	$(NT_0 \to 285.245)$	$(NT_0 \to 285.564)$	$(NT_0 \to 285.914)$	$(NT_0 \to 286.294)$	$(NT_0 \to 286.703)$	$(NT_0 \to 287.138)$	$(NT_0 \to 287.599)$	$(NT_0 \to 288.084)$	$(NT_0 \to 288.59)$
22	$(NT_0 \to 284.763)$	$(NT_0 \to 285.031)$	$(NT_0 \to 285.336)$	$(NT_0 \to 285.676)$	$(NT_0 \to 286.049)$	$(NT_0 \to 286.453)$	$(NT_0 \to 286.887)$	$(NT_0 \to 287.348)$	$(NT_0 \to 287.835)$	$(NT_0 \to 288.346)$	$(NT_0 \to 288.878)$
24	$(NT_0 \to 284.816)$	$(NT_0 \to 285.102)$	$(NT_0 \to 285.426)$	$(NT_0 \to 285.787)$	$(NT_0 \to 286.182)$	$(NT_0 \to 286.609)$	$(NT_0 \to 287.067)$	$(NT_0 \to 287.552)$	$(NT_0 \to 288.063)$	$(NT_0 \to 288.599)$	$(NT_0 \to 289.156)$
26	$(NT_0 \to 284.868)$	$(NT_0 \to 285.171)$	$(NT_0 \to 285.515)$	$(NT_0 \to 285.896)$	$(NT_0 \to 286.312)$	$(NT_0 \to 286.762)$	$(NT_0 \to 287.242)$	$(NT_0 \to 287.75)$	$(NT_0 \to 288.284)$	$(NT_0 \to 288.842)$	$(NT_0 \to 289.422)$
28	$(NT_0 \to 284.92)$	$(NT_0 \to 285.24)$	$(NT_0 \to 285.602)$	$(NT_0 \to 286.003)$	$(NT_0 \to 286.44)$	$(NT_0 \to 286.911)$	$(NT_0 \to 287.412)$	$(NT_0 \to 287.942)$	$(NT_0 \to 288.498)$	$(NT_0 \to 289.077)$	$(NT_0 \to 289.678)$
30	$(NT_0 \to 284.972)$	$(NT_0 \to 285.309)$	$(NT_0 \to 285.688)$	$(NT_0 \to 286.108)$	$(NT_0 \to 286.565)$	$(NT_0 \to 287.056)$	$(NT_0 \to 287.578)$	$(NT_0 \to 288.128)$	$(NT_0 \to 288.704)$	$(NT_0 \to 289.303)$	$(NT_0 \to 289.924)$
	$(NT_0 \to 285.023)$	$(NT_0 \to 285.376)$	$(NT_0 \to 285.773)$	$(NT_0 \to 286.211)$	$(NT_0 \to 286.687)$	$(NT_0 \to 287.198)$	$(NT_0 \to 287.739)$	$(NT_0 \to 288.309)$	$(NT_0 \to 288.904)$	$(NT_0 \to 289.521)$	$(NT_0 \to 290.159)$
	$(NT_0 \to 285.074)$	$(NT_0 \to 285.442)$	$(NT_0 \to 285.857)$	$(NT_0 \to 286.313)$	$(NT_0 \to 286.807)$	$(NT_0 \to 287.336)$	$(NT_0 \to 287.896)$	$(NT_0 \to 288.483)$	$(NT_0 \to 289.096)$	$(NT_0 \to 289.731)$	$(NT_0 \to 290.385)$
	$(NT_0 \to 285.124)$	$(NT_0 \to 285.508)$	$(NT_0 \to 285.939)$	$(NT_0 \to 286.412)$	$(NT_0 \to 286.924)$	$(NT_0 \to 287.47)$	$(NT_0 \to 288.047)$	$(NT_0 \to 288.652)$	$(NT_0 \to 289.281)$	$(NT_0 \to 289.932)$	$(NT_0 \to 290.602)$
	$(NT_0 \to 285.173)$	$(NT_0 \to 285.573)$	$(NT_0 \to 286.02)$	$(NT_0 \to 286.51)$	$(NT_0 \to 287.038)$	$(NT_0 \to 287.601)$	$(NT_0 \to 288.195)$	$(NT_0 \to 288.815)$	$(NT_0 \to 289.46)$	$(NT_0 \to 290.126)$	$(NT_0 \to 290.81)$
	$(NT_0 \to 285.222)$	$(NT_0 \to 285.637)$	$(NT_0 \to 286.099)$	$(NT_0 \to 286.605)$	$(NT_0 \to 287.15)$	$(NT_0 \to 287.728)$	$(NT_0 \to 288.338)$	$(NT_0 \to 288.973)$	$(NT_0 \to 289.632)$	$(NT_0 \to 290.312)$	$(NT_0 \to 291.009)$
	$(NT_0 \to 285.271)$	$(NT_0 \to 285.7)$	$(NT_0 \to 286.177)$	$(NT_0 \to 286.698)$	$(NT_0 \to 287.258)$	$(NT_0 \to 287.852)$	$(NT_0 \to 288.476)$	$(NT_0 \to 289.126)$	$(NT_0 \to 289.799)$	$(NT_0 \to 290.491)$	$(NT_0 \to 291.201)$
	$(NT_0 \to 285.319)$	$(NT_0 \to 285.762)$	$(NT_0 \to 286.254)$	$(NT_0 \to 286.79)$	$(NT_0 \to 287.365)$	$(NT_0 \to 287.973)$	$(NT_0 \to 288.61)$	$(NT_0 \to 289.274)$	$(NT_0 \to 289.959)$	$(NT_0 \to 290.663)$	$(NT_0 \to 291.384)$
	$(NT_0 \to 285.366)$	$(NT_0 \to 285.823)$	$(NT_0 \to 286.329)$	$(NT_0 \to 286.879)$	$(NT_0 \to 287.468)$	$(NT_0 \to 288.09)$	$(NT_0 \to 288.741)$	$(NT_0 \to 289.416)$	$(NT_0 \to 290.113)$	$(NT_0 \to 290.829)$	$(NT_0 \to 291.561)$
	$(NT_0 \to 285.413)$	$(NT_0 \to 285.883)$	$(NT_0 \to 286.403)$	$(NT_0 \to 286.967)$	$(NT_0 \to 287.569)$	$(NT_0 \to 288.204)$	$(NT_0 \to 288.867)$	$(NT_0 \to 289.554)$	$(NT_0 \to 290.262)$	$(NT_0 \to 290.988)$	$(NT_0 \to 291.73)$
	$(NT_0 \to 285.459)$	$(NT_0 \to 285.942)$	$(NT_0 \to 286.476)$	$(NT_0 \to 287.053)$	$(NT_0 \to 287.667)$	$(NT_0 \to 288.314)$	$(NT_0 \to 288.989)$	$(NT_0 \to 289.687)$	$(NT_0 \to 290.406)$	$(NT_0 \to 291.142)$	$(NT_0 \to 291.892)$
	$(NT_0 \to 285.505)$	$(NT_0 \to 286.001)$	$(NT_0 \to 286.547)$	$(NT_0 \to 287.136)$	$(NT_0 \to 287.763)$	$(NT_0 \to 288.422)$	$(NT_0 \to 289.108)$	$(NT_0 \to 289.816)$	$(NT_0 \to 290.544)$	$(NT_0 \to 291.289)$	$(NT_0 \to 292.048)$

NT_0 values at the average temperature T_0=286°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 286.378$	$NT_0 \to 286.513$	$NT_0 \to 286.669$	$NT_0 \to 286.844$	$NT_0 \to 287.039$	$NT_0 \to 287.252$	$NT_0 \to 287.485$	$NT_0 \to 287.736$	$NT_0 \to 288.005$	$NT_0 \to 288.291$	$NT_0 \to 288.595$
10	$NT_0 \to 286.432$	$NT_0 \to 286.587$	$NT_0 \to 286.764$	$NT_0 \to 286.963$	$NT_0 \to 287.185$	$NT_0 \to 287.428$	$NT_0 \to 287.692$	$NT_0 \to 287.976$	$NT_0 \to 288.28$	$NT_0 \to 288.602$	$NT_0 \to 288.944$
12	$NT_0 \to 286.486$	$NT_0 \to 286.66$	$NT_0 \to 286.858$	$NT_0 \to 287.082$	$NT_0 \to 287.33$	$NT_0 \to 287.601$	$NT_0 \to 287.895$	$NT_0 \to 288.211$	$NT_0 \to 288.548$	$NT_0 \to 288.906$	$NT_0 \to 289.283$
14	$NT_0 \to 286.54$	$NT_0 \to 286.732$	$NT_0 \to 286.952$	$NT_0 \to 287.199$	$NT_0 \to 287.472$	$NT_0 \to 287.771$	$NT_0 \to 288.094$	$NT_0 \to 288.441$	$NT_0 \to 288.81$	$NT_0 \to 289.201$	$NT_0 \to 289.612$
16	$NT_0 \to 286.594$	$NT_0 \to 286.804$	$NT_0 \to 287.045$	$NT_0 \to 287.315$	$NT_0 \to 287.613$	$NT_0 \to 287.938$	$NT_0 \to 288.289$	$NT_0 \to 288.665$	$NT_0 \to 289.065$	$NT_0 \to 289.487$	$NT_0 \to 289.931$
18	$NT_0 \to 286.647$	$NT_0 \to 286.876$	$NT_0 \to 287.137$	$NT_0 \to 287.43$	$NT_0 \to 287.752$	$NT_0 \to 288.103$	$NT_0 \to 288.481$	$NT_0 \to 288.885$	$NT_0 \to 289.313$	$NT_0 \to 289.765$	$NT_0 \to 290.239$
20	$NT_0 \to 286.7$	$NT_0 \to 286.947$	$NT_0 \to 287.228$	$NT_0 \to 287.542$	$NT_0 \to 287.888$	$NT_0 \to 288.264$	$NT_0 \to 288.668$	$NT_0 \to 289.099$	$NT_0 \to 289.555$	$NT_0 \to 290.034$	$NT_0 \to 290.536$
22	$NT_0 \to 286.752$	$NT_0 \to 287.017$	$NT_0 \to 287.318$	$NT_0 \to 287.654$	$NT_0 \to 288.022$	$NT_0 \to 288.422$	$NT_0 \to 288.851$	$NT_0 \to 289.307$	$NT_0 \to 289.789$	$NT_0 \to 290.294$	$NT_0 \to 290.822$
24	$NT_0 \to 286.805$	$NT_0 \to 287.087$	$NT_0 \to 287.407$	$NT_0 \to 287.763$	$NT_0 \to 288.154$	$NT_0 \to 288.576$	$NT_0 \to 289.029$	$NT_0 \to 289.509$	$NT_0 \to 290.015$	$NT_0 \to 290.546$	$NT_0 \to 291.098$
26	$NT_0 \to 286.856$	$NT_0 \to 287.156$	$NT_0 \to 287.495$	$NT_0 \to 287.871$	$NT_0 \to 288.283$	$NT_0 \to 288.727$	$NT_0 \to 289.203$	$NT_0 \to 289.706$	$NT_0 \to 290.235$	$NT_0 \to 290.788$	$NT_0 \to 291.363$
28	$NT_0 \to 286.908$	$NT_0 \to 287.224$	$NT_0 \to 287.581$	$NT_0 \to 287.977$	$NT_0 \to 288.409$	$NT_0 \to 288.875$	$NT_0 \to 289.372$	$NT_0 \to 289.897$	$NT_0 \to 290.447$	$NT_0 \to 291.022$	$NT_0 \to 291.618$
30	$NT_0 \to 286.959$	$NT_0 \to 287.291$	$NT_0 \to 287.666$	$NT_0 \to 288.081$	$NT_0 \to 288.533$	$NT_0 \to 289.019$	$NT_0 \to 289.536$	$NT_0 \to 290.082$	$NT_0 \to 290.653$	$NT_0 \to 291.247$	$NT_0 \to 291.862$
	$NT_0 \to 287.009$	$NT_0 \to 287.358$	$NT_0 \to 287.75$	$NT_0 \to 288.184$	$NT_0 \to 288.655$	$NT_0 \to 289.16$	$NT_0 \to 289.696$	$NT_0 \to 290.261$	$NT_0 \to 290.851$	$NT_0 \to 291.464$	$NT_0 \to 292.097$
	$NT_0 \to 287.059$	$NT_0 \to 287.424$	$NT_0 \to 287.833$	$NT_0 \to 288.284$	$NT_0 \to 288.773$	$NT_0 \to 289.297$	$NT_0 \to 289.852$	$NT_0 \to 290.435$	$NT_0 \to 291.042$	$NT_0 \to 291.673$	$NT_0 \to 292.323$
	$NT_0 \to 287.109$	$NT_0 \to 287.489$	$NT_0 \to 287.915$	$NT_0 \to 288.383$	$NT_0 \to 288.89$	$NT_0 \to 289.431$	$NT_0 \to 290.003$	$NT_0 \to 290.603$	$NT_0 \to 291.227$	$NT_0 \to 291.874$	$NT_0 \to 292.539$
	$NT_0 \to 287.158$	$NT_0 \to 287.553$	$NT_0 \to 287.995$	$NT_0 \to 288.48$	$NT_0 \to 289.003$	$NT_0 \to 289.561$	$NT_0 \to 290.15$	$NT_0 \to 290.766$	$NT_0 \to 291.406$	$NT_0 \to 292.067$	$NT_0 \to 292.747$
	$NT_0 \to 287.206$	$NT_0 \to 287.616$	$NT_0 \to 288.073$	$NT_0 \to 288.574$	$NT_0 \to 289.114$	$NT_0 \to 289.688$	$NT_0 \to 290.292$	$NT_0 \to 290.923$	$NT_0 \to 291.578$	$NT_0 \to 292.253$	$NT_0 \to 292.946$
	$NT_0 \to 287.254$	$NT_0 \to 287.678$	$NT_0 \to 288.151$	$NT_0 \to 288.667$	$NT_0 \to 289.222$	$NT_0 \to 289.811$	$NT_0 \to 290.43$	$NT_0 \to 291.075$	$NT_0 \to 291.744$	$NT_0 \to 292.432$	$NT_0 \to 293.138$
	$NT_0 \to 287.302$	$NT_0 \to 287.74$	$NT_0 \to 288.227$	$NT_0 \to 288.758$	$NT_0 \to 289.328$	$NT_0 \to 289.931$	$NT_0 \to 290.564$	$NT_0 \to 291.223$	$NT_0 \to 291.904$	$NT_0 \to 292.604$	$NT_0 \to 293.321$
	$NT_0 \to 287.349$	$NT_0 \to 287.801$	$NT_0 \to 288.302$	$NT_0 \to 288.847$	$NT_0 \to 289.431$	$NT_0 \to 290.048$	$NT_0 \to 290.694$	$NT_0 \to 291.365$	$NT_0 \to 292.058$	$NT_0 \to 292.77$	$NT_0 \to 293.498$
	$NT_0 \to 287.395$	$NT_0 \to 287.86$	$NT_0 \to 288.375$	$NT_0 \to 288.934$	$NT_0 \to 289.531$	$NT_0 \to 290.161$	$NT_0 \to 290.82$	$NT_0 \to 291.503$	$NT_0 \to 292.207$	$NT_0 \to 292.929$	$NT_0 \to 293.667$
	$NT_0 \to 287.441$	$NT_0 \to 287.919$	$NT_0 \to 288.447$	$NT_0 \to 289.019$	$NT_0 \to 289.629$	$NT_0 \to 290.272$	$NT_0 \to 290.942$	$NT_0 \to 291.636$	$NT_0 \to 292.351$	$NT_0 \to 293.083$	$NT_0 \to 293.83$
	$NT_0 \to 287.487$	$NT_0 \to 287.977$	$NT_0 \to 288.518$	$NT_0 \to 289.103$	$NT_0 \to 289.725$	$NT_0 \to 290.379$	$NT_0 \to 291.06$	$NT_0 \to 291.765$	$NT_0 \to 292.489$	$NT_0 \to 293.231$	$NT_0 \to 293.987$

NT_0 values at the average temperature T_0=288°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$(NT_0 \to 288.372)$	$(NT_0 \to 288.506)$	$(NT_0 \to 288.659)$	$(NT_0 \to 288.831)$	$(NT_0 \to 289.023)$	$(NT_0 \to 289.234)$	$(NT_0 \to 289.464)$	$(NT_0 \to 289.711)$	$(NT_0 \to 289.977)$	$(NT_0 \to 290.259)$	$(NT_0 \to 290.559)$
10	$(NT_0 \to 288.426)$	$(NT_0 \to 288.578)$	$(NT_0 \to 288.753)$	$(NT_0 \to 288.95)$	$(NT_0 \to 289.168)$	$(NT_0 \to 289.408)$	$(NT_0 \to 289.668)$	$(NT_0 \to 289.948)$	$(NT_0 \to 290.248)$	$(NT_0 \to 290.567)$	$(NT_0 \to 290.904)$
	$(NT_0 \to 288.479)$	$(NT_0 \to 288.65)$	$(NT_0 \to 288.846)$	$(NT_0 \to 289.067)$	$(NT_0 \to 289.311)$	$(NT_0 \to 289.578)$	$(NT_0 \to 289.869)$	$(NT_0 \to 290.18)$	$(NT_0 \to 290.513)$	$(NT_0 \to 290.867)$	$(NT_0 \to 291.24)$
12	$(NT_0 \to 288.532)$	$(NT_0 \to 288.722)$	$(NT_0 \to 288.939)$	$(NT_0 \to 289.182)$	$(NT_0 \to 289.452)$	$(NT_0 \to 289.747)$	$(NT_0 \to 290.066)$	$(NT_0 \to 290.408)$	$(NT_0 \to 290.773)$	$(NT_0 \to 291.159)$	$(NT_0 \to 291.566)$
	$(NT_0 \to 288.585)$	$(NT_0 \to 288.793)$	$(NT_0 \to 289.031)$	$(NT_0 \to 289.297)$	$(NT_0 \to 289.591)$	$(NT_0 \to 289.912)$	$(NT_0 \to 290.259)$	$(NT_0 \to 290.63)$	$(NT_0 \to 291.025)$	$(NT_0 \to 291.443)$	$(NT_0 \to 291.882)$
14	$(NT_0 \to 288.638)$	$(NT_0 \to 288.864)$	$(NT_0 \to 289.121)$	$(NT_0 \to 289.41)$	$(NT_0 \to 289.728)$	$(NT_0 \to 290.075)$	$(NT_0 \to 290.448)$	$(NT_0 \to 290.848)$	$(NT_0 \to 291.272)$	$(NT_0 \to 291.718)$	$(NT_0 \to 292.187)$
	$(NT_0 \to 288.69)$	$(NT_0 \to 288.934)$	$(NT_0 \to 289.211)$	$(NT_0 \to 289.522)$	$(NT_0 \to 289.863)$	$(NT_0 \to 290.234)$	$(NT_0 \to 290.634)$	$(NT_0 \to 291.06)$	$(NT_0 \to 291.511)$	$(NT_0 \to 291.985)$	$(NT_0 \to 292.482)$
16	$(NT_0 \to 288.742)$	$(NT_0 \to 289.003)$	$(NT_0 \to 289.3)$	$(NT_0 \to 289.632)$	$(NT_0 \to 289.996)$	$(NT_0 \to 290.391)$	$(NT_0 \to 290.815)$	$(NT_0 \to 291.266)$	$(NT_0 \to 291.743)$	$(NT_0 \to 292.244)$	$(NT_0 \to 292.766)$
	$(NT_0 \to 288.794)$	$(NT_0 \to 289.072)$	$(NT_0 \to 289.388)$	$(NT_0 \to 289.74)$	$(NT_0 \to 290.126)$	$(NT_0 \to 290.544)$	$(NT_0 \to 290.991)$	$(NT_0 \to 291.467)$	$(NT_0 \to 291.968)$	$(NT_0 \to 292.493)$	$(NT_0 \to 293.041)$
18	$(NT_0 \to 288.845)$	$(NT_0 \to 289.14)$	$(NT_0 \to 289.475)$	$(NT_0 \to 289.847)$	$(NT_0 \to 290.254)$	$(NT_0 \to 290.694)$	$(NT_0 \to 291.164)$	$(NT_0 \to 291.662)$	$(NT_0 \to 292.186)$	$(NT_0 \to 292.734)$	$(NT_0 \to 293.304)$
	$(NT_0 \to 288.896)$	$(NT_0 \to 289.207)$	$(NT_0 \to 289.56)$	$(NT_0 \to 289.952)$	$(NT_0 \to 290.379)$	$(NT_0 \to 290.84)$	$(NT_0 \to 291.332)$	$(NT_0 \to 291.852)$	$(NT_0 \to 292.397)$	$(NT_0 \to 292.967)$	$(NT_0 \to 293.558)$
20	$(NT_0 \to 288.946)$	$(NT_0 \to 289.274)$	$(NT_0 \to 289.645)$	$(NT_0 \to 290.055)$	$(NT_0 \to 290.502)$	$(NT_0 \to 290.983)$	$(NT_0 \to 291.495)$	$(NT_0 \to 292.035)$	$(NT_0 \to 292.602)$	$(NT_0 \to 293.191)$	$(NT_0 \to 293.802)$
	$(NT_0 \to 288.996)$	$(NT_0 \to 289.34)$	$(NT_0 \to 289.728)$	$(NT_0 \to 290.157)$	$(NT_0 \to 290.623)$	$(NT_0 \to 291.123)$	$(NT_0 \to 291.654)$	$(NT_0 \to 292.214)$	$(NT_0 \to 292.799)$	$(NT_0 \to 293.407)$	$(NT_0 \to 294.036)$
22	$(NT_0 \to 289.045)$	$(NT_0 \to 289.405)$	$(NT_0 \to 289.81)$	$(NT_0 \to 290.256)$	$(NT_0 \to 290.74)$	$(NT_0 \to 291.259)$	$(NT_0 \to 291.809)$	$(NT_0 \to 292.387)$	$(NT_0 \to 292.99)$	$(NT_0 \to 293.615)$	$(NT_0 \to 294.261)$
	$(NT_0 \to 289.094)$	$(NT_0 \to 289.469)$	$(NT_0 \to 289.891)$	$(NT_0 \to 290.354)$	$(NT_0 \to 290.856)$	$(NT_0 \to 291.392)$	$(NT_0 \to 291.959)$	$(NT_0 \to 292.554)$	$(NT_0 \to 293.174)$	$(NT_0 \to 293.816)$	$(NT_0 \to 294.477)$
24	$(NT_0 \to 289.143)$	$(NT_0 \to 289.533)$	$(NT_0 \to 289.97)$	$(NT_0 \to 290.45)$	$(NT_0 \to 290.968)$	$(NT_0 \to 291.521)$	$(NT_0 \to 292.105)$	$(NT_0 \to 292.716)$	$(NT_0 \to 293.352)$	$(NT_0 \to 294.009)$	$(NT_0 \to 294.685)$
	$(NT_0 \to 289.191)$	$(NT_0 \to 289.596)$	$(NT_0 \to 290.048)$	$(NT_0 \to 290.544)$	$(NT_0 \to 291.078)$	$(NT_0 \to 291.647)$	$(NT_0 \to 292.247)$	$(NT_0 \to 292.873)$	$(NT_0 \to 293.523)$	$(NT_0 \to 294.195)$	$(NT_0 \to 294.884)$
26	$(NT_0 \to 289.238)$	$(NT_0 \to 289.657)$	$(NT_0 \to 290.125)$	$(NT_0 \to 290.636)$	$(NT_0 \to 291.186)$	$(NT_0 \to 291.77)$	$(NT_0 \to 292.384)$	$(NT_0 \to 293.025)$	$(NT_0 \to 293.689)$	$(NT_0 \to 294.373)$	$(NT_0 \to 295.075)$
	$(NT_0 \to 289.285)$	$(NT_0 \to 289.718)$	$(NT_0 \to 290.201)$	$(NT_0 \to 290.726)$	$(NT_0 \to 291.291)$	$(NT_0 \to 291.89)$	$(NT_0 \to 292.518)$	$(NT_0 \to 293.172)$	$(NT_0 \to 293.849)$	$(NT_0 \to 294.545)$	$(NT_0 \to 295.259)$
28	$(NT_0 \to 289.332)$	$(NT_0 \to 289.779)$	$(NT_0 \to 290.275)$	$(NT_0 \to 290.815)$	$(NT_0 \to 291.394)$	$(NT_0 \to 292.006)$	$(NT_0 \to 292.647)$	$(NT_0 \to 293.314)$	$(NT_0 \to 294.003)$	$(NT_0 \to 294.711)$	$(NT_0 \to 295.436)$
	$(NT_0 \to 289.378)$	$(NT_0 \to 289.838)$	$(NT_0 \to 290.348)$	$(NT_0 \to 290.901)$	$(NT_0 \to 291.494)$	$(NT_0 \to 292.119)$	$(NT_0 \to 292.773)$	$(NT_0 \to 293.452)$	$(NT_0 \to 294.152)$	$(NT_0 \to 294.871)$	$(NT_0 \to 295.605)$
30	$(NT_0 \to 289.423)$	$(NT_0 \to 289.896)$	$(NT_0 \to 290.419)$	$(NT_0 \to 290.986)$	$(NT_0 \to 291.591)$	$(NT_0 \to 292.229)$	$(NT_0 \to 292.895)$	$(NT_0 \to 293.585)$	$(NT_0 \to 294.296)$	$(NT_0 \to 295.024)$	$(NT_0 \to 295.768)$
	$(NT_0 \to 289.468)$	$(NT_0 \to 289.954)$	$(NT_0 \to 290.49)$	$(NT_0 \to 291.069)$	$(NT_0 \to 291.686)$	$(NT_0 \to 292.336)$	$(NT_0 \to 293.013)$	$(NT_0 \to 293.714)$	$(NT_0 \to 294.434)$	$(NT_0 \to 295.172)$	$(NT_0 \to 295.925)$

NT_0 values at the average temperature T_0=290°K

A, Kcal/ mole°K

Temperature Variation Amplitude Tvariation T1, °K

A	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 290.367$	$NT_0 \to 290.498$	$NT_0 \to 290.649$	$NT_0 \to 290.819$	$NT_0 \to 291.009$	$NT_0 \to 291.217$	$NT_0 \to 291.443$	$NT_0 \to 291.687$	$NT_0 \to 291.949$	$NT_0 \to 292.228$	$NT_0 \to 292.523$
10	$NT_0 \to 290.42$	$NT_0 \to 290.57$	$NT_0 \to 290.742$	$NT_0 \to 290.936$	$NT_0 \to 291.151$	$NT_0 \to 291.388$	$NT_0 \to 291.644$	$NT_0 \to 291.921$	$NT_0 \to 292.217$	$NT_0 \to 292.532$	$NT_0 \to 292.865$
12	$NT_0 \to 290.472$	$NT_0 \to 290.641$	$NT_0 \to 290.834$	$NT_0 \to 291.052$	$NT_0 \to 291.293$	$NT_0 \to 291.557$	$NT_0 \to 291.843$	$NT_0 \to 292.151$	$NT_0 \to 292.48$	$NT_0 \to 292.829$	$NT_0 \to 293.197$
14	$NT_0 \to 290.525$	$NT_0 \to 290.712$	$NT_0 \to 290.926$	$NT_0 \to 291.166$	$NT_0 \to 291.432$	$NT_0 \to 291.723$	$NT_0 \to 292.038$	$NT_0 \to 292.376$	$NT_0 \to 292.736$	$NT_0 \to 293.118$	$NT_0 \to 293.52$
16	$NT_0 \to 290.577$	$NT_0 \to 290.782$	$NT_0 \to 291.016$	$NT_0 \to 291.279$	$NT_0 \to 291.57$	$NT_0 \to 291.887$	$NT_0 \to 292.229$	$NT_0 \to 292.596$	$NT_0 \to 292.987$	$NT_0 \to 293.399$	$NT_0 \to 293.833$
18	$NT_0 \to 290.629$	$NT_0 \to 290.852$	$NT_0 \to 291.106$	$NT_0 \to 291.391$	$NT_0 \to 291.705$	$NT_0 \to 292.047$	$NT_0 \to 292.417$	$NT_0 \to 292.811$	$NT_0 \to 293.23$	$NT_0 \to 293.672$	$NT_0 \to 294.136$
20	$NT_0 \to 290.681$	$NT_0 \to 290.921$	$NT_0 \to 291.195$	$NT_0 \to 291.501$	$NT_0 \to 291.838$	$NT_0 \to 292.205$	$NT_0 \to 292.6$	$NT_0 \to 293.021$	$NT_0 \to 293.467$	$NT_0 \to 293.937$	$NT_0 \to 294.429$
22	$NT_0 \to 290.732$	$NT_0 \to 290.989$	$NT_0 \to 291.283$	$NT_0 \to 291.61$	$NT_0 \to 291.97$	$NT_0 \to 292.36$	$NT_0 \to 292.779$	$NT_0 \to 293.226$	$NT_0 \to 293.698$	$NT_0 \to 294.194$	$NT_0 \to 294.712$
24	$NT_0 \to 290.783$	$NT_0 \to 291.057$	$NT_0 \to 291.37$	$NT_0 \to 291.717$	$NT_0 \to 292.099$	$NT_0 \to 292.512$	$NT_0 \to 292.955$	$NT_0 \to 293.425$	$NT_0 \to 293.921$	$NT_0 \to 294.442$	$NT_0 \to 294.984$
26	$NT_0 \to 290.833$	$NT_0 \to 291.125$	$NT_0 \to 291.455$	$NT_0 \to 291.823$	$NT_0 \to 292.225$	$NT_0 \to 292.66$	$NT_0 \to 293.126$	$NT_0 \to 293.619$	$NT_0 \to 294.138$	$NT_0 \to 294.681$	$NT_0 \to 295.246$
28	$NT_0 \to 290.883$	$NT_0 \to 291.191$	$NT_0 \to 291.54$	$NT_0 \to 291.927$	$NT_0 \to 292.35$	$NT_0 \to 292.806$	$NT_0 \to 293.292$	$NT_0 \to 293.807$	$NT_0 \to 294.348$	$NT_0 \to 294.913$	$NT_0 \to 295.499$
30	$NT_0 \to 290.933$	$NT_0 \to 291.257$	$NT_0 \to 291.624$	$NT_0 \to 292.029$	$NT_0 \to 292.472$	$NT_0 \to 292.948$	$NT_0 \to 293.455$	$NT_0 \to 293.99$	$NT_0 \to 294.551$	$NT_0 \to 295.136$	$NT_0 \to 295.742$
	$NT_0 \to 290.983$	$NT_0 \to 291.323$	$NT_0 \to 291.706$	$NT_0 \to 292.13$	$NT_0 \to 292.591$	$NT_0 \to 293.086$	$NT_0 \to 293.613$	$NT_0 \to 294.167$	$NT_0 \to 294.748$	$NT_0 \to 295.351$	$NT_0 \to 295.976$
	$NT_0 \to 291.031$	$NT_0 \to 291.387$	$NT_0 \to 291.787$	$NT_0 \to 292.229$	$NT_0 \to 292.708$	$NT_0 \to 293.221$	$NT_0 \to 293.766$	$NT_0 \to 294.339$	$NT_0 \to 294.938$	$NT_0 \to 295.559$	$NT_0 \to 296.2$
	$NT_0 \to 291.08$	$NT_0 \to 291.451$	$NT_0 \to 291.867$	$NT_0 \to 292.326$	$NT_0 \to 292.822$	$NT_0 \to 293.353$	$NT_0 \to 293.916$	$NT_0 \to 294.506$	$NT_0 \to 295.121$	$NT_0 \to 295.758$	$NT_0 \to 296.416$
	$NT_0 \to 291.128$	$NT_0 \to 291.514$	$NT_0 \to 291.946$	$NT_0 \to 292.421$	$NT_0 \to 292.934$	$NT_0 \to 293.482$	$NT_0 \to 294.061$	$NT_0 \to 294.667$	$NT_0 \to 295.298$	$NT_0 \to 295.951$	$NT_0 \to 296.623$
	$NT_0 \to 291.175$	$NT_0 \to 291.576$	$NT_0 \to 292.023$	$NT_0 \to 292.514$	$NT_0 \to 293.044$	$NT_0 \to 293.608$	$NT_0 \to 294.202$	$NT_0 \to 294.824$	$NT_0 \to 295.47$	$NT_0 \to 296.136$	$NT_0 \to 296.822$
	$NT_0 \to 291.222$	$NT_0 \to 291.637$	$NT_0 \to 292.1$	$NT_0 \to 292.606$	$NT_0 \to 293.15$	$NT_0 \to 293.73$	$NT_0 \to 294.339$	$NT_0 \to 294.975$	$NT_0 \to 295.635$	$NT_0 \to 296.315$	$NT_0 \to 297.013$
	$NT_0 \to 291.269$	$NT_0 \to 291.697$	$NT_0 \to 292.174$	$NT_0 \to 292.695$	$NT_0 \to 293.255$	$NT_0 \to 293.849$	$NT_0 \to 294.472$	$NT_0 \to 295.122$	$NT_0 \to 295.795$	$NT_0 \to 296.487$	$NT_0 \to 297.197$
	$NT_0 \to 291.315$	$NT_0 \to 291.757$	$NT_0 \to 292.248$	$NT_0 \to 292.783$	$NT_0 \to 293.357$	$NT_0 \to 293.964$	$NT_0 \to 294.601$	$NT_0 \to 295.264$	$NT_0 \to 295.949$	$NT_0 \to 296.653$	$NT_0 \to 297.374$
	$NT_0 \to 291.361$	$NT_0 \to 291.816$	$NT_0 \to 292.321$	$NT_0 \to 292.869$	$NT_0 \to 293.457$	$NT_0 \to 294.077$	$NT_0 \to 294.727$	$NT_0 \to 295.401$	$NT_0 \to 296.098$	$NT_0 \to 296.812$	$NT_0 \to 297.543$
	$NT_0 \to 291.406$	$NT_0 \to 291.874$	$NT_0 \to 292.392$	$NT_0 \to 292.954$	$NT_0 \to 293.554$	$NT_0 \to 294.187$	$NT_0 \to 294.848$	$NT_0 \to 295.534$	$NT_0 \to 296.241$	$NT_0 \to 296.966$	$NT_0 \to 297.707$
	$NT_0 \to 291.45$	$NT_0 \to 291.931$	$NT_0 \to 292.461$	$NT_0 \to 293.036$	$NT_0 \to 293.649$	$NT_0 \to 294.294$	$NT_0 \to 294.966$	$NT_0 \to 295.663$	$NT_0 \to 296.38$	$NT_0 \to 297.114$	$NT_0 \to 297.864$

NT_0 values at the average temperature T_0=292°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$(NT_0 \to 292.361)$	$(NT_0 \to 292.491)$	$(NT_0 \to 292.64)$	$(NT_0 \to 292.807)$	$(NT_0 \to 292.994)$	$(NT_0 \to 293.199)$	$(NT_0 \to 293.422)$	$(NT_0 \to 293.663)$	$(NT_0 \to 293.921)$	$(NT_0 \to 294.197)$	$(NT_0 \to 294.488)$
10	$(NT_0 \to 292.414)$	$(NT_0 \to 292.562)$	$(NT_0 \to 292.731)$	$(NT_0 \to 292.923)$	$(NT_0 \to 293.135)$	$(NT_0 \to 293.368)$	$(NT_0 \to 293.621)$	$(NT_0 \to 293.894)$	$(NT_0 \to 294.187)$	$(NT_0 \to 294.497)$	$(NT_0 \to 294.826)$
12	$(NT_0 \to 292.466)$	$(NT_0 \to 292.632)$	$(NT_0 \to 292.822)$	$(NT_0 \to 293.037)$	$(NT_0 \to 293.275)$	$(NT_0 \to 293.535)$	$(NT_0 \to 293.818)$	$(NT_0 \to 294.122)$	$(NT_0 \to 294.446)$	$(NT_0 \to 294.791)$	$(NT_0 \to 295.155)$
14	$(NT_0 \to 292.517)$	$(NT_0 \to 292.702)$	$(NT_0 \to 292.913)$	$(NT_0 \to 293.15)$	$(NT_0 \to 293.412)$	$(NT_0 \to 293.699)$	$(NT_0 \to 294.01)$	$(NT_0 \to 294.344)$	$(NT_0 \to 294.7)$	$(NT_0 \to 295.078)$	$(NT_0 \to 295.475)$
16	$(NT_0 \to 292.569)$	$(NT_0 \to 292.771)$	$(NT_0 \to 293.002)$	$(NT_0 \to 293.262)$	$(NT_0 \to 293.548)$	$(NT_0 \to 293.861)$	$(NT_0 \to 294.2)$	$(NT_0 \to 294.562)$	$(NT_0 \to 294.948)$	$(NT_0 \to 295.356)$	$(NT_0 \to 295.785)$
18	$(NT_0 \to 292.62)$	$(NT_0 \to 292.84)$	$(NT_0 \to 293.091)$	$(NT_0 \to 293.372)$	$(NT_0 \to 293.682)$	$(NT_0 \to 294.02)$	$(NT_0 \to 294.385)$	$(NT_0 \to 294.775)$	$(NT_0 \to 295.19)$	$(NT_0 \to 295.627)$	$(NT_0 \to 296.086)$
20	$(NT_0 \to 292.671)$	$(NT_0 \to 292.908)$	$(NT_0 \to 293.179)$	$(NT_0 \to 293.481)$	$(NT_0 \to 293.814)$	$(NT_0 \to 294.177)$	$(NT_0 \to 294.567)$	$(NT_0 \to 294.983)$	$(NT_0 \to 295.425)$	$(NT_0 \to 295.89)$	$(NT_0 \to 296.377)$
22	$(NT_0 \to 292.722)$	$(NT_0 \to 292.976)$	$(NT_0 \to 293.266)$	$(NT_0 \to 293.589)$	$(NT_0 \to 293.944)$	$(NT_0 \to 294.33)$	$(NT_0 \to 294.745)$	$(NT_0 \to 295.186)$	$(NT_0 \to 295.653)$	$(NT_0 \to 296.144)$	$(NT_0 \to 296.657)$
24	$(NT_0 \to 292.772)$	$(NT_0 \to 293.043)$	$(NT_0 \to 293.351)$	$(NT_0 \to 293.695)$	$(NT_0 \to 294.072)$	$(NT_0 \to 294.48)$	$(NT_0 \to 294.918)$	$(NT_0 \to 295.384)$	$(NT_0 \to 295.875)$	$(NT_0 \to 296.391)$	$(NT_0 \to 296.928)$
26	$(NT_0 \to 292.822)$	$(NT_0 \to 293.11)$	$(NT_0 \to 293.436)$	$(NT_0 \to 293.8)$	$(NT_0 \to 294.197)$	$(NT_0 \to 294.628)$	$(NT_0 \to 295.088)$	$(NT_0 \to 295.576)$	$(NT_0 \to 296.091)$	$(NT_0 \to 296.629)$	$(NT_0 \to 297.189)$
28	$(NT_0 \to 292.872)$	$(NT_0 \to 293.176)$	$(NT_0 \to 293.52)$	$(NT_0 \to 293.903)$	$(NT_0 \to 294.32)$	$(NT_0 \to 294.772)$	$(NT_0 \to 295.253)$	$(NT_0 \to 295.763)$	$(NT_0 \to 296.299)$	$(NT_0 \to 296.859)$	$(NT_0 \to 297.441)$
30	$(NT_0 \to 292.921)$	$(NT_0 \to 293.241)$	$(NT_0 \to 293.603)$	$(NT_0 \to 294.004)$	$(NT_0 \to 294.441)$	$(NT_0 \to 294.912)$	$(NT_0 \to 295.414)$	$(NT_0 \to 295.945)$	$(NT_0 \to 296.501)$	$(NT_0 \to 297.081)$	$(NT_0 \to 297.683)$
	$(NT_0 \to 292.97)$	$(NT_0 \to 293.305)$	$(NT_0 \to 293.684)$	$(NT_0 \to 294.103)$	$(NT_0 \to 294.56)$	$(NT_0 \to 295.05)$	$(NT_0 \to 295.571)$	$(NT_0 \to 296.121)$	$(NT_0 \to 296.697)$	$(NT_0 \to 297.296)$	$(NT_0 \to 297.915)$
	$(NT_0 \to 293.018)$	$(NT_0 \to 293.369)$	$(NT_0 \to 293.765)$	$(NT_0 \to 294.201)$	$(NT_0 \to 294.676)$	$(NT_0 \to 295.184)$	$(NT_0 \to 295.724)$	$(NT_0 \to 296.292)$	$(NT_0 \to 296.886)$	$(NT_0 \to 297.502)$	$(NT_0 \to 298.139)$
	$(NT_0 \to 293.066)$	$(NT_0 \to 293.432)$	$(NT_0 \to 293.844)$	$(NT_0 \to 294.298)$	$(NT_0 \to 294.789)$	$(NT_0 \to 295.316)$	$(NT_0 \to 295.873)$	$(NT_0 \to 296.458)$	$(NT_0 \to 297.069)$	$(NT_0 \to 297.702)$	$(NT_0 \to 298.355)$
	$(NT_0 \to 293.113)$	$(NT_0 \to 293.494)$	$(NT_0 \to 293.922)$	$(NT_0 \to 294.392)$	$(NT_0 \to 294.9)$	$(NT_0 \to 295.443)$	$(NT_0 \to 296.017)$	$(NT_0 \to 296.619)$	$(NT_0 \to 297.246)$	$(NT_0 \to 297.894)$	$(NT_0 \to 298.561)$
	$(NT_0 \to 293.16)$	$(NT_0 \to 293.556)$	$(NT_0 \to 293.999)$	$(NT_0 \to 294.485)$	$(NT_0 \to 295.009)$	$(NT_0 \to 295.568)$	$(NT_0 \to 296.158)$	$(NT_0 \to 296.775)$	$(NT_0 \to 297.416)$	$(NT_0 \to 298.079)$	$(NT_0 \to 298.76)$
	$(NT_0 \to 293.207)$	$(NT_0 \to 293.617)$	$(NT_0 \to 294.074)$	$(NT_0 \to 294.576)$	$(NT_0 \to 295.115)$	$(NT_0 \to 295.69)$	$(NT_0 \to 296.294)$	$(NT_0 \to 296.926)$	$(NT_0 \to 297.581)$	$(NT_0 \to 298.257)$	$(NT_0 \to 298.951)$
	$(NT_0 \to 293.253)$	$(NT_0 \to 293.677)$	$(NT_0 \to 294.149)$	$(NT_0 \to 294.665)$	$(NT_0 \to 295.219)$	$(NT_0 \to 295.808)$	$(NT_0 \to 296.427)$	$(NT_0 \to 297.072)$	$(NT_0 \to 297.741)$	$(NT_0 \to 298.429)$	$(NT_0 \to 299.135)$
	$(NT_0 \to 293.299)$	$(NT_0 \to 293.736)$	$(NT_0 \to 294.222)$	$(NT_0 \to 294.752)$	$(NT_0 \to 295.321)$	$(NT_0 \to 295.923)$	$(NT_0 \to 296.556)$	$(NT_0 \to 297.214)$	$(NT_0 \to 297.895)$	$(NT_0 \to 298.595)$	$(NT_0 \to 299.312)$
	$(NT_0 \to 293.344)$	$(NT_0 \to 293.794)$	$(NT_0 \to 294.294)$	$(NT_0 \to 294.838)$	$(NT_0 \to 295.42)$	$(NT_0 \to 296.036)$	$(NT_0 \to 296.681)$	$(NT_0 \to 297.351)$	$(NT_0 \to 298.043)$	$(NT_0 \to 298.754)$	$(NT_0 \to 299.482)$
	$(NT_0 \to 293.388)$	$(NT_0 \to 293.851)$	$(NT_0 \to 294.364)$	$(NT_0 \to 294.921)$	$(NT_0 \to 295.517)$	$(NT_0 \to 296.145)$	$(NT_0 \to 296.802)$	$(NT_0 \to 297.484)$	$(NT_0 \to 298.187)$	$(NT_0 \to 298.908)$	$(NT_0 \to 299.645)$
	$(NT_0 \to 293.432)$	$(NT_0 \to 293.908)$	$(NT_0 \to 294.434)$	$(NT_0 \to 295.003)$	$(NT_0 \to 295.611)$	$(NT_0 \to 296.252)$	$(NT_0 \to 296.92)$	$(NT_0 \to 297.613)$	$(NT_0 \to 298.326)$	$(NT_0 \to 299.057)$	$(NT_0 \to 299.803)$

NT_0 values at the average temperature T_0=294°K

A, Kcal/ mole°K

Temperature Variation Amplitude Tvariation T1, °K

A	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 294.356$	$NT_0 \to 294.484$	$NT_0 \to 294.63$	$NT_0 \to 294.796$	$NT_0 \to 294.98$	$NT_0 \to 295.182$	$NT_0 \to 295.402$	$NT_0 \to 295.64$	$NT_0 \to 295.895$	$NT_0 \to 296.166$	$NT_0 \to 296.454$
10	$NT_0 \to 294.408$	$NT_0 \to 294.553$	$NT_0 \to 294.721$	$NT_0 \to 294.91$	$NT_0 \to 295.119$	$NT_0 \to 295.349$	$NT_0 \to 295.599$	$NT_0 \to 295.868$	$NT_0 \to 296.157$	$NT_0 \to 296.464$	$NT_0 \to 296.788$
12	$NT_0 \to 294.459$	$NT_0 \to 294.623$	$NT_0 \to 294.811$	$NT_0 \to 295.022$	$NT_0 \to 295.257$	$NT_0 \to 295.514$	$NT_0 \to 295.793$	$NT_0 \to 296.093$	$NT_0 \to 296.414$	$NT_0 \to 296.754$	$NT_0 \to 297.114$
14	$NT_0 \to 294.51$	$NT_0 \to 294.692$	$NT_0 \to 294.9$	$NT_0 \to 295.134$	$NT_0 \to 295.393$	$NT_0 \to 295.676$	$NT_0 \to 295.983$	$NT_0 \to 296.313$	$NT_0 \to 296.665$	$NT_0 \to 297.038$	$NT_0 \to 297.431$
16	$NT_0 \to 294.561$	$NT_0 \to 294.76$	$NT_0 \to 294.988$	$NT_0 \to 295.244$	$NT_0 \to 295.527$	$NT_0 \to 295.837$	$NT_0 \to 296.171$	$NT_0 \to 296.529$	$NT_0 \to 296.91$	$NT_0 \to 297.314$	$NT_0 \to 297.739$
18	$NT_0 \to 294.612$	$NT_0 \to 294.828$	$NT_0 \to 295.076$	$NT_0 \to 295.354$	$NT_0 \to 295.66$	$NT_0 \to 295.994$	$NT_0 \to 296.354$	$NT_0 \to 296.74$	$NT_0 \to 297.15$	$NT_0 \to 297.582$	$NT_0 \to 298.037$
20	$NT_0 \to 294.662$	$NT_0 \to 294.896$	$NT_0 \to 295.163$	$NT_0 \to 295.462$	$NT_0 \to 295.791$	$NT_0 \to 296.149$	$NT_0 \to 296.534$	$NT_0 \to 296.946$	$NT_0 \to 297.383$	$NT_0 \to 297.843$	$NT_0 \to 298.325$
22	$NT_0 \to 294.712$	$NT_0 \to 294.963$	$NT_0 \to 295.249$	$NT_0 \to 295.568$	$NT_0 \to 295.919$	$NT_0 \to 296.3$	$NT_0 \to 296.71$	$NT_0 \to 297.147$	$NT_0 \to 297.61$	$NT_0 \to 298.096$	$NT_0 \to 298.604$
24	$NT_0 \to 294.762$	$NT_0 \to 295.029$	$NT_0 \to 295.334$	$NT_0 \to 295.673$	$NT_0 \to 296.046$	$NT_0 \to 296.449$	$NT_0 \to 296.883$	$NT_0 \to 297.343$	$NT_0 \to 297.83$	$NT_0 \to 298.34$	$NT_0 \to 298.873$
26	$NT_0 \to 294.811$	$NT_0 \to 295.095$	$NT_0 \to 295.418$	$NT_0 \to 295.777$	$NT_0 \to 296.17$	$NT_0 \to 296.595$	$NT_0 \to 297.051$	$NT_0 \to 297.534$	$NT_0 \to 298.044$	$NT_0 \to 298.577$	$NT_0 \to 299.133$
28	$NT_0 \to 294.86$	$NT_0 \to 295.16$	$NT_0 \to 295.5$	$NT_0 \to 295.878$	$NT_0 \to 296.292$	$NT_0 \to 296.738$	$NT_0 \to 297.215$	$NT_0 \to 297.72$	$NT_0 \to 298.251$	$NT_0 \to 298.806$	$NT_0 \to 299.383$
30	$NT_0 \to 294.909$	$NT_0 \to 295.225$	$NT_0 \to 295.582$	$NT_0 \to 295.979$	$NT_0 \to 296.412$	$NT_0 \to 296.878$	$NT_0 \to 297.375$	$NT_0 \to 297.901$	$NT_0 \to 298.452$	$NT_0 \to 299.027$	$NT_0 \to 299.624$
	$NT_0 \to 294.957$	$NT_0 \to 295.289$	$NT_0 \to 295.663$	$NT_0 \to 296.078$	$NT_0 \to 296.529$	$NT_0 \to 297.014$	$NT_0 \to 297.531$	$NT_0 \to 298.076$	$NT_0 \to 298.647$	$NT_0 \to 299.241$	$NT_0 \to 299.856$
	$NT_0 \to 295.005$	$NT_0 \to 295.352$	$NT_0 \to 295.743$	$NT_0 \to 296.175$	$NT_0 \to 296.644$	$NT_0 \to 297.148$	$NT_0 \to 297.683$	$NT_0 \to 298.246$	$NT_0 \to 298.835$	$NT_0 \to 299.447$	$NT_0 \to 300.079$
	$NT_0 \to 295.052$	$NT_0 \to 295.414$	$NT_0 \to 295.821$	$NT_0 \to 296.27$	$NT_0 \to 296.757$	$NT_0 \to 297.278$	$NT_0 \to 297.831$	$NT_0 \to 298.411$	$NT_0 \to 299.017$	$NT_0 \to 299.645$	$NT_0 \to 300.294$
	$NT_0 \to 295.099$	$NT_0 \to 295.476$	$NT_0 \to 295.899$	$NT_0 \to 296.364$	$NT_0 \to 296.867$	$NT_0 \to 297.405$	$NT_0 \to 297.974$	$NT_0 \to 298.571$	$NT_0 \to 299.193$	$NT_0 \to 299.837$	$NT_0 \to 300.501$
	$NT_0 \to 295.145$	$NT_0 \to 295.537$	$NT_0 \to 295.975$	$NT_0 \to 296.456$	$NT_0 \to 296.975$	$NT_0 \to 297.529$	$NT_0 \to 298.114$	$NT_0 \to 298.727$	$NT_0 \to 299.364$	$NT_0 \to 300.022$	$NT_0 \to 300.699$
	$NT_0 \to 295.192$	$NT_0 \to 295.597$	$NT_0 \to 296.05$	$NT_0 \to 296.546$	$NT_0 \to 297.081$	$NT_0 \to 297.65$	$NT_0 \to 298.25$	$NT_0 \to 298.877$	$NT_0 \to 299.528$	$NT_0 \to 300.2$	$NT_0 \to 300.89$
	$NT_0 \to 295.237$	$NT_0 \to 295.656$	$NT_0 \to 296.123$	$NT_0 \to 296.634$	$NT_0 \to 297.184$	$NT_0 \to 297.768$	$NT_0 \to 298.382$	$NT_0 \to 299.023$	$NT_0 \to 299.687$	$NT_0 \to 300.372$	$NT_0 \to 301.074$
	$NT_0 \to 295.282$	$NT_0 \to 295.715$	$NT_0 \to 296.196$	$NT_0 \to 296.721$	$NT_0 \to 297.285$	$NT_0 \to 297.883$	$NT_0 \to 298.511$	$NT_0 \to 299.165$	$NT_0 \to 299.841$	$NT_0 \to 300.537$	$NT_0 \to 301.251$
	$NT_0 \to 295.327$	$NT_0 \to 295.772$	$NT_0 \to 296.267$	$NT_0 \to 296.806$	$NT_0 \to 297.384$	$NT_0 \to 297.995$	$NT_0 \to 298.635$	$NT_0 \to 299.301$	$NT_0 \to 299.99$	$NT_0 \to 300.697$	$NT_0 \to 301.421$
	$NT_0 \to 295.371$	$NT_0 \to 295.829$	$NT_0 \to 296.337$	$NT_0 \to 296.89$	$NT_0 \to 297.48$	$NT_0 \to 298.104$	$NT_0 \to 298.757$	$NT_0 \to 299.434$	$NT_0 \to 300.133$	$NT_0 \to 300.851$	$NT_0 \to 301.585$
	$NT_0 \to 295.415$	$NT_0 \to 295.886$	$NT_0 \to 296.406$	$NT_0 \to 296.971$	$NT_0 \to 297.574$	$NT_0 \to 298.21$	$NT_0 \to 298.874$	$NT_0 \to 299.563$	$NT_0 \to 300.272$	$NT_0 \to 300.999$	$NT_0 \to 301.742$

NT_0 values at the average temperature T_0=296°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 296.351$	$NT_0 \to 296.477$	$NT_0 \to 296.621$	$NT_0 \to 296.784$	$NT_0 \to 296.966$	$NT_0 \to 297.165$	$NT_0 \to 297.382$	$NT_0 \to 297.617$	$NT_0 \to 297.868$	$NT_0 \to 298.136$	$NT_0 \to 298.42$
10	$NT_0 \to 296.402$	$NT_0 \to 296.546$	$NT_0 \to 296.711$	$NT_0 \to 296.897$	$NT_0 \to 297.103$	$NT_0 \to 297.33$	$NT_0 \to 297.577$	$NT_0 \to 297.843$	$NT_0 \to 298.127$	$NT_0 \to 298.43$	$NT_0 \to 298.751$
	$NT_0 \to 296.452$	$NT_0 \to 296.614$	$NT_0 \to 296.799$	$NT_0 \to 297.008$	$NT_0 \to 297.24$	$NT_0 \to 297.493$	$NT_0 \to 297.769$	$NT_0 \to 298.065$	$NT_0 \to 298.382$	$NT_0 \to 298.718$	$NT_0 \to 299.074$
	$NT_0 \to 296.503$	$NT_0 \to 296.682$	$NT_0 \to 296.888$	$NT_0 \to 297.118$	$NT_0 \to 297.374$	$NT_0 \to 297.654$	$NT_0 \to 297.957$	$NT_0 \to 298.283$	$NT_0 \to 298.63$	$NT_0 \to 298.999$	$NT_0 \to 299.387$
12	$NT_0 \to 296.553$	$NT_0 \to 296.75$	$NT_0 \to 296.975$	$NT_0 \to 297.228$	$NT_0 \to 297.507$	$NT_0 \to 297.812$	$NT_0 \to 298.142$	$NT_0 \to 298.496$	$NT_0 \to 298.873$	$NT_0 \to 299.272$	$NT_0 \to 299.692$
	$NT_0 \to 296.603$	$NT_0 \to 296.817$	$NT_0 \to 297.062$	$NT_0 \to 297.336$	$NT_0 \to 297.638$	$NT_0 \to 297.968$	$NT_0 \to 298.324$	$NT_0 \to 298.705$	$NT_0 \to 299.111$	$NT_0 \to 299.538$	$NT_0 \to 299.988$
14	$NT_0 \to 296.653$	$NT_0 \to 296.884$	$NT_0 \to 297.147$	$NT_0 \to 297.442$	$NT_0 \to 297.767$	$NT_0 \to 298.121$	$NT_0 \to 298.502$	$NT_0 \to 298.91$	$NT_0 \to 299.342$	$NT_0 \to 299.797$	$NT_0 \to 300.274$
	$NT_0 \to 296.702$	$NT_0 \to 296.95$	$NT_0 \to 297.232$	$NT_0 \to 297.548$	$NT_0 \to 297.894$	$NT_0 \to 298.271$	$NT_0 \to 298.677$	$NT_0 \to 299.109$	$NT_0 \to 299.567$	$NT_0 \to 300.048$	$NT_0 \to 300.551$
16	$NT_0 \to 296.751$	$NT_0 \to 297.016$	$NT_0 \to 297.316$	$NT_0 \to 297.651$	$NT_0 \to 298.02$	$NT_0 \to 298.419$	$NT_0 \to 298.847$	$NT_0 \to 299.304$	$NT_0 \to 299.785$	$NT_0 \to 300.291$	$NT_0 \to 300.819$
	$NT_0 \to 296.8$	$NT_0 \to 297.081$	$NT_0 \to 297.399$	$NT_0 \to 297.754$	$NT_0 \to 298.143$	$NT_0 \to 298.563$	$NT_0 \to 299.014$	$NT_0 \to 299.493$	$NT_0 \to 299.998$	$NT_0 \to 300.526$	$NT_0 \to 301.077$
18	$NT_0 \to 296.848$	$NT_0 \to 297.145$	$NT_0 \to 297.481$	$NT_0 \to 297.855$	$NT_0 \to 298.264$	$NT_0 \to 298.705$	$NT_0 \to 299.177$	$NT_0 \to 299.677$	$NT_0 \to 300.204$	$NT_0 \to 300.754$	$NT_0 \to 301.326$
	$NT_0 \to 296.897$	$NT_0 \to 297.209$	$NT_0 \to 297.562$	$NT_0 \to 297.954$	$NT_0 \to 298.382$	$NT_0 \to 298.844$	$NT_0 \to 299.336$	$NT_0 \to 299.857$	$NT_0 \to 300.403$	$NT_0 \to 300.974$	$NT_0 \to 301.566$
20	$NT_0 \to 296.944$	$NT_0 \to 297.272$	$NT_0 \to 297.642$	$NT_0 \to 298.052$	$NT_0 \to 298.499$	$NT_0 \to 298.979$	$NT_0 \to 299.491$	$NT_0 \to 300.031$	$NT_0 \to 300.597$	$NT_0 \to 301.186$	$NT_0 \to 301.797$
	$NT_0 \to 296.991$	$NT_0 \to 297.334$	$NT_0 \to 297.721$	$NT_0 \to 298.148$	$NT_0 \to 298.613$	$NT_0 \to 299.112$	$NT_0 \to 299.642$	$NT_0 \to 300.2$	$NT_0 \to 300.784$	$NT_0 \to 301.392$	$NT_0 \to 302.02$
22	$NT_0 \to 297.038$	$NT_0 \to 297.396$	$NT_0 \to 297.799$	$NT_0 \to 298.243$	$NT_0 \to 298.725$	$NT_0 \to 299.241$	$NT_0 \to 299.789$	$NT_0 \to 300.365$	$NT_0 \to 300.966$	$NT_0 \to 301.59$	$NT_0 \to 302.234$
	$NT_0 \to 297.085$	$NT_0 \to 297.457$	$NT_0 \to 297.875$	$NT_0 \to 298.336$	$NT_0 \to 298.834$	$NT_0 \to 299.368$	$NT_0 \to 299.932$	$NT_0 \to 300.524$	$NT_0 \to 301.141$	$NT_0 \to 301.781$	$NT_0 \to 302.44$
24	$NT_0 \to 297.131$	$NT_0 \to 297.518$	$NT_0 \to 297.951$	$NT_0 \to 298.427$	$NT_0 \to 298.942$	$NT_0 \to 299.491$	$NT_0 \to 300.071$	$NT_0 \to 300.679$	$NT_0 \to 301.311$	$NT_0 \to 301.965$	$NT_0 \to 302.639$
	$NT_0 \to 297.177$	$NT_0 \to 297.577$	$NT_0 \to 298.025$	$NT_0 \to 298.517$	$NT_0 \to 299.047$	$NT_0 \to 299.611$	$NT_0 \to 300.206$	$NT_0 \to 300.829$	$NT_0 \to 301.475$	$NT_0 \to 302.143$	$NT_0 \to 302.829$
26	$NT_0 \to 297.222$	$NT_0 \to 297.636$	$NT_0 \to 298.098$	$NT_0 \to 298.604$	$NT_0 \to 299.149$	$NT_0 \to 299.728$	$NT_0 \to 300.338$	$NT_0 \to 300.974$	$NT_0 \to 301.634$	$NT_0 \to 302.315$	$NT_0 \to 303.013$
	$NT_0 \to 297.266$	$NT_0 \to 297.694$	$NT_0 \to 298.17$	$NT_0 \to 298.691$	$NT_0 \to 299.25$	$NT_0 \to 299.843$	$NT_0 \to 300.466$	$NT_0 \to 301.115$	$NT_0 \to 301.788$	$NT_0 \to 302.48$	$NT_0 \to 303.19$
28	$NT_0 \to 297.311$	$NT_0 \to 297.751$	$NT_0 \to 298.241$	$NT_0 \to 298.775$	$NT_0 \to 299.348$	$NT_0 \to 299.954$	$NT_0 \to 300.59$	$NT_0 \to 301.252$	$NT_0 \to 301.936$	$NT_0 \to 302.64$	$NT_0 \to 303.36$
	$NT_0 \to 297.354$	$NT_0 \to 297.808$	$NT_0 \to 298.311$	$NT_0 \to 298.858$	$NT_0 \to 299.444$	$NT_0 \to 300.063$	$NT_0 \to 300.711$	$NT_0 \to 301.385$	$NT_0 \to 302.08$	$NT_0 \to 302.794$	$NT_0 \to 303.524$
30	$NT_0 \to 297.398$	$NT_0 \to 297.864$	$NT_0 \to 298.379$	$NT_0 \to 298.939$	$NT_0 \to 299.537$	$NT_0 \to 300.169$	$NT_0 \to 300.829$	$NT_0 \to 301.513$	$NT_0 \to 302.219$	$NT_0 \to 302.942$	$NT_0 \to 303.682$

NT_0 values at the average temperature T_0=298°K

Temperature Variation Amplitude Tvariation T1, °K

A, Kcal/mole°K	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 298.346$	$NT_0 \to 298.47$	$NT_0 \to 298.612$	$NT_0 \to 298.773$	$NT_0 \to 298.952$	$NT_0 \to 299.149$	$NT_0 \to 299.363$	$NT_0 \to 299.594$	$NT_0 \to 299.842$	$NT_0 \to 300.107$	$NT_0 \to 300.387$
10	$NT_0 \to 298.396$	$NT_0 \to 298.538$	$NT_0 \to 298.701$	$NT_0 \to 298.884$	$NT_0 \to 299.088$	$NT_0 \to 299.312$	$NT_0 \to 299.555$	$NT_0 \to 299.818$	$NT_0 \to 300.099$	$NT_0 \to 300.398$	$NT_0 \to 300.715$
12	$NT_0 \to 298.446$	$NT_0 \to 298.606$	$NT_0 \to 298.788$	$NT_0 \to 298.994$	$NT_0 \to 299.223$	$NT_0 \to 299.473$	$NT_0 \to 299.745$	$NT_0 \to 300.037$	$NT_0 \to 300.35$	$NT_0 \to 300.682$	$NT_0 \to 301.034$
14	$NT_0 \to 298.496$	$NT_0 \to 298.673$	$NT_0 \to 298.875$	$NT_0 \to 299.103$	$NT_0 \to 299.356$	$NT_0 \to 299.632$	$NT_0 \to 299.931$	$NT_0 \to 300.253$	$NT_0 \to 300.596$	$NT_0 \to 300.96$	$NT_0 \to 301.345$
16	$NT_0 \to 298.546$	$NT_0 \to 298.74$	$NT_0 \to 298.962$	$NT_0 \to 299.211$	$NT_0 \to 299.487$	$NT_0 \to 299.788$	$NT_0 \to 300.114$	$NT_0 \to 300.464$	$NT_0 \to 300.837$	$NT_0 \to 301.231$	$NT_0 \to 301.647$
18	$NT_0 \to 298.595$	$NT_0 \to 298.806$	$NT_0 \to 299.047$	$NT_0 \to 299.318$	$NT_0 \to 299.616$	$NT_0 \to 299.942$	$NT_0 \to 300.294$	$NT_0 \to 300.671$	$NT_0 \to 301.072$	$NT_0 \to 301.495$	$NT_0 \to 301.94$
20	$NT_0 \to 298.644$	$NT_0 \to 298.872$	$NT_0 \to 299.132$	$NT_0 \to 299.423$	$NT_0 \to 299.744$	$NT_0 \to 300.094$	$NT_0 \to 300.471$	$NT_0 \to 300.874$	$NT_0 \to 301.301$	$NT_0 \to 301.752$	$NT_0 \to 302.224$
22	$NT_0 \to 298.693$	$NT_0 \to 298.937$	$NT_0 \to 299.216$	$NT_0 \to 299.527$	$NT_0 \to 299.87$	$NT_0 \to 300.243$	$NT_0 \to 300.644$	$NT_0 \to 301.071$	$NT_0 \to 301.524$	$NT_0 \to 302.001$	$NT_0 \to 302.499$
24	$NT_0 \to 298.741$	$NT_0 \to 299.002$	$NT_0 \to 299.299$	$NT_0 \to 299.63$	$NT_0 \to 299.994$	$NT_0 \to 300.389$	$NT_0 \to 300.813$	$NT_0 \to 301.264$	$NT_0 \to 301.741$	$NT_0 \to 302.242$	$NT_0 \to 302.765$
26	$NT_0 \to 298.789$	$NT_0 \to 299.066$	$NT_0 \to 299.381$	$NT_0 \to 299.732$	$NT_0 \to 300.116$	$NT_0 \to 300.532$	$NT_0 \to 300.978$	$NT_0 \to 301.452$	$NT_0 \to 301.952$	$NT_0 \to 302.476$	$NT_0 \to 303.022$
28	$NT_0 \to 298.837$	$NT_0 \to 299.13$	$NT_0 \to 299.462$	$NT_0 \to 299.832$	$NT_0 \to 300.236$	$NT_0 \to 300.673$	$NT_0 \to 301.14$	$NT_0 \to 301.635$	$NT_0 \to 302.157$	$NT_0 \to 302.702$	$NT_0 \to 303.27$
30	$NT_0 \to 298.885$	$NT_0 \to 299.193$	$NT_0 \to 299.542$	$NT_0 \to 299.93$	$NT_0 \to 300.353$	$NT_0 \to 300.81$	$NT_0 \to 301.298$	$NT_0 \to 301.813$	$NT_0 \to 302.355$	$NT_0 \to 302.921$	$NT_0 \to 303.509$
	$NT_0 \to 298.932$	$NT_0 \to 299.256$	$NT_0 \to 299.622$	$NT_0 \to 300.027$	$NT_0 \to 300.469$	$NT_0 \to 300.945$	$NT_0 \to 301.451$	$NT_0 \to 301.987$	$NT_0 \to 302.548$	$NT_0 \to 303.133$	$NT_0 \to 303.739$
	$NT_0 \to 298.979$	$NT_0 \to 299.317$	$NT_0 \to 299.7$	$NT_0 \to 300.122$	$NT_0 \to 300.582$	$NT_0 \to 301.076$	$NT_0 \to 301.601$	$NT_0 \to 302.155$	$NT_0 \to 302.734$	$NT_0 \to 303.337$	$NT_0 \to 303.961$
	$NT_0 \to 299.025$	$NT_0 \to 299.379$	$NT_0 \to 299.777$	$NT_0 \to 300.216$	$NT_0 \to 300.693$	$NT_0 \to 301.205$	$NT_0 \to 301.748$	$NT_0 \to 302.319$	$NT_0 \to 302.915$	$NT_0 \to 303.535$	$NT_0 \to 304.174$
	$NT_0 \to 299.071$	$NT_0 \to 299.439$	$NT_0 \to 299.853$	$NT_0 \to 300.308$	$NT_0 \to 300.802$	$NT_0 \to 301.33$	$NT_0 \to 301.89$	$NT_0 \to 302.477$	$NT_0 \to 303.09$	$NT_0 \to 303.725$	$NT_0 \to 304.38$
	$NT_0 \to 299.117$	$NT_0 \to 299.499$	$NT_0 \to 299.928$	$NT_0 \to 300.399$	$NT_0 \to 300.908$	$NT_0 \to 301.453$	$NT_0 \to 302.028$	$NT_0 \to 302.632$	$NT_0 \to 303.259$	$NT_0 \to 303.909$	$NT_0 \to 304.578$
	$NT_0 \to 299.162$	$NT_0 \to 299.558$	$NT_0 \to 300.001$	$NT_0 \to 300.488$	$NT_0 \to 301.013$	$NT_0 \to 301.573$	$NT_0 \to 302.163$	$NT_0 \to 302.781$	$NT_0 \to 303.423$	$NT_0 \to 304.087$	$NT_0 \to 304.769$
	$NT_0 \to 299.206$	$NT_0 \to 299.616$	$NT_0 \to 300.074$	$NT_0 \to 300.575$	$NT_0 \to 301.115$	$NT_0 \to 301.689$	$NT_0 \to 302.294$	$NT_0 \to 302.926$	$NT_0 \to 303.582$	$NT_0 \to 304.258$	$NT_0 \to 304.953$
	$NT_0 \to 299.251$	$NT_0 \to 299.674$	$NT_0 \to 300.145$	$NT_0 \to 300.661$	$NT_0 \to 301.215$	$NT_0 \to 301.803$	$NT_0 \to 302.422$	$NT_0 \to 303.067$	$NT_0 \to 303.735$	$NT_0 \to 304.423$	$NT_0 \to 305.129$
	$NT_0 \to 299.295$	$NT_0 \to 299.73$	$NT_0 \to 300.216$	$NT_0 \to 300.745$	$NT_0 \to 301.312$	$NT_0 \to 301.914$	$NT_0 \to 302.546$	$NT_0 \to 303.203$	$NT_0 \to 303.883$	$NT_0 \to 304.583$	$NT_0 \to 305.3$
	$NT_0 \to 299.338$	$NT_0 \to 299.786$	$NT_0 \to 300.285$	$NT_0 \to 300.827$	$NT_0 \to 301.408$	$NT_0 \to 302.022$	$NT_0 \to 302.666$	$NT_0 \to 303.335$	$NT_0 \to 304.027$	$NT_0 \to 304.737$	$NT_0 \to 305.464$
	$NT_0 \to 299.381$	$NT_0 \to 299.842$	$NT_0 \to 300.353$	$NT_0 \to 300.908$	$NT_0 \to 301.501$	$NT_0 \to 302.128$	$NT_0 \to 302.783$	$NT_0 \to 303.464$	$NT_0 \to 304.165$	$NT_0 \to 304.886$	$NT_0 \to 305.622$

NT_0 values at the average temperature T_0=300°K

A, Kcal/mole°K

Temperature Variation Amplitude Tvariation T1, °K

A	6	7	8	9	10	11	12	13	14	15	16
8	$NT_0 \to 300.341$	$NT_0 \to 300.463$	$NT_0 \to 300.604$	$NT_0 \to 300.762$	$NT_0 \to 300.939$	$NT_0 \to 301.133$	$NT_0 \to 301.344$	$NT_0 \to 301.572$	$NT_0 \to 301.817$	$NT_0 \to 302.078$	$NT_0 \to 302.355$
	$NT_0 \to 300.39$	$NT_0 \to 300.53$	$NT_0 \to 300.691$	$NT_0 \to 300.872$	$NT_0 \to 301.073$	$NT_0 \to 301.294$	$NT_0 \to 301.534$	$NT_0 \to 301.793$	$NT_0 \to 302.07$	$NT_0 \to 302.366$	$NT_0 \to 302.679$
10	$NT_0 \to 300.44$	$NT_0 \to 300.597$	$NT_0 \to 300.777$	$NT_0 \to 300.981$	$NT_0 \to 301.206$	$NT_0 \to 301.453$	$NT_0 \to 301.721$	$NT_0 \to 302.01$	$NT_0 \to 302.319$	$NT_0 \to 302.647$	$NT_0 \to 302.995$
	$NT_0 \to 300.489$	$NT_0 \to 300.664$	$NT_0 \to 300.863$	$NT_0 \to 301.088$	$NT_0 \to 301.337$	$NT_0 \to 301.61$	$NT_0 \to 301.906$	$NT_0 \to 302.223$	$NT_0 \to 302.563$	$NT_0 \to 302.923$	$NT_0 \to 303.302$
12	$NT_0 \to 300.538$	$NT_0 \to 300.73$	$NT_0 \to 300.949$	$NT_0 \to 301.195$	$NT_0 \to 301.467$	$NT_0 \to 301.765$	$NT_0 \to 302.087$	$NT_0 \to 302.433$	$NT_0 \to 302.801$	$NT_0 \to 303.191$	$NT_0 \to 303.602$
	$NT_0 \to 300.587$	$NT_0 \to 300.795$	$NT_0 \to 301.033$	$NT_0 \to 301.3$	$NT_0 \to 301.595$	$NT_0 \to 301.917$	$NT_0 \to 302.265$	$NT_0 \to 302.638$	$NT_0 \to 303.034$	$NT_0 \to 303.453$	$NT_0 \to 303.893$
14	$NT_0 \to 300.635$	$NT_0 \to 300.86$	$NT_0 \to 301.117$	$NT_0 \to 301.405$	$NT_0 \to 301.722$	$NT_0 \to 302.067$	$NT_0 \to 302.44$	$NT_0 \to 302.838$	$NT_0 \to 303.261$	$NT_0 \to 303.707$	$NT_0 \to 304.175$
	$NT_0 \to 300.683$	$NT_0 \to 300.925$	$NT_0 \to 301.2$	$NT_0 \to 301.508$	$NT_0 \to 301.846$	$NT_0 \to 302.215$	$NT_0 \to 302.611$	$NT_0 \to 303.034$	$NT_0 \to 303.482$	$NT_0 \to 303.954$	$NT_0 \to 304.448$
16	$NT_0 \to 300.731$	$NT_0 \to 300.989$	$NT_0 \to 301.282$	$NT_0 \to 301.609$	$NT_0 \to 301.969$	$NT_0 \to 302.359$	$NT_0 \to 302.779$	$NT_0 \to 303.225$	$NT_0 \to 303.698$	$NT_0 \to 304.194$	$NT_0 \to 304.712$
	$NT_0 \to 300.779$	$NT_0 \to 301.053$	$NT_0 \to 301.363$	$NT_0 \to 301.71$	$NT_0 \to 302.09$	$NT_0 \to 302.501$	$NT_0 \to 302.943$	$NT_0 \to 303.412$	$NT_0 \to 303.907$	$NT_0 \to 304.426$	$NT_0 \to 304.967$
18	$NT_0 \to 300.826$	$NT_0 \to 301.115$	$NT_0 \to 301.444$	$NT_0 \to 301.809$	$NT_0 \to 302.208$	$NT_0 \to 302.641$	$NT_0 \to 303.103$	$NT_0 \to 303.594$	$NT_0 \to 304.11$	$NT_0 \to 304.651$	$NT_0 \to 305.214$
	$NT_0 \to 300.873$	$NT_0 \to 301.178$	$NT_0 \to 301.523$	$NT_0 \to 301.906$	$NT_0 \to 302.325$	$NT_0 \to 302.777$	$NT_0 \to 303.26$	$NT_0 \to 303.771$	$NT_0 \to 304.308$	$NT_0 \to 304.869$	$NT_0 \to 305.452$
20	$NT_0 \to 300.92$	$NT_0 \to 301.24$	$NT_0 \to 301.601$	$NT_0 \to 302.002$	$NT_0 \to 302.439$	$NT_0 \to 302.91$	$NT_0 \to 303.412$	$NT_0 \to 303.943$	$NT_0 \to 304.499$	$NT_0 \to 305.08$	$NT_0 \to 305.681$
	$NT_0 \to 300.966$	$NT_0 \to 301.301$	$NT_0 \to 301.679$	$NT_0 \to 302.097$	$NT_0 \to 302.552$	$NT_0 \to 303.041$	$NT_0 \to 303.561$	$NT_0 \to 304.11$	$NT_0 \to 304.685$	$NT_0 \to 305.283$	$NT_0 \to 305.902$
22	$NT_0 \to 301.012$	$NT_0 \to 301.361$	$NT_0 \to 301.755$	$NT_0 \to 302.19$	$NT_0 \to 302.662$	$NT_0 \to 303.169$	$NT_0 \to 303.707$	$NT_0 \to 304.273$	$NT_0 \to 304.865$	$NT_0 \to 305.48$	$NT_0 \to 306.115$
	$NT_0 \to 301.057$	$NT_0 \to 301.421$	$NT_0 \to 301.83$	$NT_0 \to 302.281$	$NT_0 \to 302.77$	$NT_0 \to 303.294$	$NT_0 \to 303.848$	$NT_0 \to 304.431$	$NT_0 \to 305.039$	$NT_0 \to 305.67$	$NT_0 \to 306.321$
24	$NT_0 \to 301.102$	$NT_0 \to 301.48$	$NT_0 \to 301.904$	$NT_0 \to 302.371$	$NT_0 \to 302.876$	$NT_0 \to 303.415$	$NT_0 \to 303.986$	$NT_0 \to 304.585$	$NT_0 \to 305.208$	$NT_0 \to 305.853$	$NT_0 \to 306.519$
	$NT_0 \to 301.147$	$NT_0 \to 301.539$	$NT_0 \to 301.978$	$NT_0 \to 302.459$	$NT_0 \to 302.979$	$NT_0 \to 303.534$	$NT_0 \to 304.12$	$NT_0 \to 304.734$	$NT_0 \to 305.371$	$NT_0 \to 306.031$	$NT_0 \to 306.709$
26	$NT_0 \to 301.191$	$NT_0 \to 301.597$	$NT_0 \to 302.05$	$NT_0 \to 302.546$	$NT_0 \to 303.081$	$NT_0 \to 303.651$	$NT_0 \to 304.251$	$NT_0 \to 304.878$	$NT_0 \to 305.53$	$NT_0 \to 306.202$	$NT_0 \to 306.893$
	$NT_0 \to 301.235$	$NT_0 \to 301.654$	$NT_0 \to 302.12$	$NT_0 \to 302.631$	$NT_0 \to 303.18$	$NT_0 \to 303.764$	$NT_0 \to 304.378$	$NT_0 \to 305.019$	$NT_0 \to 305.683$	$NT_0 \to 306.367$	$NT_0 \to 307.069$
28	$NT_0 \to 301.279$	$NT_0 \to 301.71$	$NT_0 \to 302.19$	$NT_0 \to 302.714$	$NT_0 \to 303.277$	$NT_0 \to 303.874$	$NT_0 \to 304.502$	$NT_0 \to 305.155$	$NT_0 \to 305.831$	$NT_0 \to 306.527$	$NT_0 \to 307.24$
	$NT_0 \to 301.322$	$NT_0 \to 301.766$	$NT_0 \to 302.259$	$NT_0 \to 302.796$	$NT_0 \to 303.372$	$NT_0 \to 303.982$	$NT_0 \to 304.622$	$NT_0 \to 305.287$	$NT_0 \to 305.974$	$NT_0 \to 306.681$	$NT_0 \to 307.404$
30	$NT_0 \to 301.364$	$NT_0 \to 301.82$	$NT_0 \to 302.326$	$NT_0 \to 302.877$	$NT_0 \to 303.465$	$NT_0 \to 304.087$	$NT_0 \to 304.739$	$NT_0 \to 305.415$	$NT_0 \to 306.113$	$NT_0 \to 306.829$	$NT_0 \to 307.562$

Conclusion

- A time dependent reaction of the form:

  A*Exp[-(EactivationA/(1.9872041*10^-3))/
  (TaverageT0+TvariationT1*Sin[[Pi]*month/6])]

  - with a sinosoidically varying temperature, varying with amplitude TvariationT1 around TaverageT0,

  – can be represented by the same type equation

  - with an *increased "New"* constant temperature Taverage NT_0 and the same activation energy EactivationA

  – The value of Taverage NT_0 can be found by:

  - using an equation solver (called 'Solve' in Mathematica, but probably available under other names in other programs).

  – The 'Solver' finds the value of Taverage NT_0 :

  - by requiring that the two reaction equations produce the same quantity of reaction product after one sinusoidal temperature cycle,