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Cr

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298, I6-8000°K

Ф-ции свободной энергии 54 газообразных эл-тов.

X

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значения $G_T - H_{298}/T$

для $T = 298, 15, 500, 1000, 1500, 2000°K$

$H_{298} - H_0$ ΔH_{298}

Cr

1967

6 Е1359. **Энтальпия и теплоемкость хрома при высоких температурах.** Кириллин В. А., Шейндлин А. Е., Чеховский В. Я., Жукова И. А. «Теплофиз. высоких температур», 1967, 5, № 6, 1124—1125

Методом смещения определены энтальпия и теплоемкость Cr в интервале т-р 600—2000° К. Предложено эмпирич. ур-ние

$$H_T - H_{273,15} = 4{,}754T + 1{,}385 \cdot 10^{-3}T^2 - 1083 \cdot 10^3 \exp\left(-\frac{13{,}92 \cdot 10^3}{T}\right) - 1402 \text{ кал/г-атом.}$$

9.1968.62

Cr

H

Cp

1967

99363j Enthalpy and heat capacity of chromium at high temperatures. V. A. Kirillin, A. E. Sheindlin, V. Ya. Chekhovskoi, and I. A. Zhukova. *Teplofiz. Vys. Temp.* 5(6), 1124–5(1967) (Russ). Enthalpy H and heat capacity of Cr was detd. by a mixing method in Ar at 1.05 atm. and for 600–2030°K. The temp. dependence of H is given by $H_T - H_{273.150K.} = (4.754T + 1.385 \times 10^{-3}T^2 - 1402 - 1083 \times 10^3 \exp(-13.92.10^3/T))$ cal./g. atom with the root mean sq. deviation ±0.2%.

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Cr

C_p, S, ΔH^0, ΔG^0

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(моноат. ид. газ)
т. св-ва [программа]

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Cr

(ray)

0-6000°

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