

Erratum: Composition Dependence of the Thermal Diffusion Factor in Hydrogen–Helium Gas Mixture

A. K. Ghosh and A. K. Barua

Citation: [The Journal of Chemical Physics](#) **50**, 1910 (1969); doi: 10.1063/1.1671304

View online: <http://dx.doi.org/10.1063/1.1671304>

View Table of Contents: <http://scitation.aip.org/content/aip/journal/jcp/50/4?ver=pdfcov>

Published by the [AIP Publishing](#)

Articles you may be interested in

[Hydrogen/Helium Planar Diffusion Flames](#)

Phys. Fluids **9**, S3 (1997); 10.1063/1.4739132

[Thermal diffusion factors at low temperatures for gas phase mixtures of isotopic helium](#)

J. Chem. Phys. **96**, 3775 (1992); 10.1063/1.461883

[Composition and Temperature Dependence of the Thermal Diffusion Factor in H₂–He Gas Mixtures](#)

J. Chem. Phys. **49**, 5537 (1968); 10.1063/1.1670084

[Composition Dependence of the Thermal-Diffusion Factor in the Hydrogen–Helium Gas Mixture](#)

J. Chem. Phys. **48**, 2802 (1968); 10.1063/1.1669517

[Thermal Diffusion in Hydrogen–Helium Gas Mixture](#)

J. Chem. Phys. **47**, 452 (1967); 10.1063/1.1711915

The cover of the journal Applied Physics Reviews, showing a diagram of a device structure with various layers and components.

NEW Special Topic Sections

NOW ONLINE
Lithium Niobate Properties and Applications:
Reviews of Emerging Trends

AIP | Applied Physics
Reviews

Erratum: Composition Dependence of the Thermal Diffusion Factor in Hydrogen-Helium Gas Mixture

[J. Chem. Phys. **48**, 2802 (1968)]

A. K. GHOSH AND A. K. BARUA

Indian Association for the Cultivation of Science, Calcutta-32, India

Row 12, Table I on p. 2803 should read

T_h (°K)	T_c (°K)	\bar{T} (°K)	%H ₂	α_T
302.7	195.8	241.5	44.9	0.035 ± 0.007

We are indebted to Professor W. W. Watson for pointing out this error.

Erratum: Quantum-Statistical *Ab Initio* Calculations on Ionic Crystals

[J. Chem. Phys. **48**, 5576 (1968)]

S. OLSZEWSKI AND M. DUBEJKO

Institute of Physical Chemistry, Polish Academy of Sciences, Warsaw, Poland

The frequency $\tilde{\nu}_0$ expressed by Eq. (36) is the circular frequency, i.e., $\tilde{\nu}_0 = 2\pi\nu_0$, where ν_0 is the ordinary frequency.

Equation (A14) in the Appendix should be

$$P = \frac{2}{3}\kappa_k \rho^{5/3}(r_0^0) [1 - 0.5(\kappa_a/\kappa_k) \rho^{-1/3}(r_0^0)]. \quad (\text{A14})$$

This correct expression has been used in the numerical calculations in the paper.