

Erratum: Random-Walk Model of Chain-Polymer Adsorption at a Surface

Robert J. Rubin

Citation: [The Journal of Chemical Physics](#) **44**, 2222 (1966); doi: 10.1063/1.1727025

View online: <http://dx.doi.org/10.1063/1.1727025>

View Table of Contents: <http://scitation.aip.org/content/aip/journal/jcp/44/5?ver=pdfcov>

Published by the [AIP Publishing](#)

Articles you may be interested in

[Random-walk model of chain polymer adsorption behavior at critical energy and relation to a reflecting boundary condition](#)

AIP Conf. Proc. **109**, 73 (1984); 10.1063/1.34340

[Ordered spans of unrestricted and self-avoiding random-walk models of polymer chains. I. Space-fixed axes](#)

J. Chem. Phys. **63**, 5362 (1975); 10.1063/1.431342

[Theory of inhomogeneous polymers: Fundamentals of the Gaussian random-walk model](#)

J. Chem. Phys. **62**, 999 (1975); 10.1063/1.430517

[Random-Walk Model of Adsorption of a Chain-Polymer Molecule on a Long Rigid-Rod Molecule](#)

J. Chem. Phys. **44**, 2130 (1966); 10.1063/1.1726991

[Random-Walk Model of Chain-Polymer Adsorption at a Surface](#)

J. Chem. Phys. **43**, 2392 (1965); 10.1063/1.1697138

A promotional banner for AIP Applied Physics Reviews. The background is a blue gradient with a bright light source on the right and molecular models. On the left is a thumbnail of an Applied Physics Reviews journal cover. The main text 'NEW Special Topic Sections' is in large white font. Below it, 'NOW ONLINE' is in yellow, followed by 'Lithium Niobate Properties and Applications: Reviews of Emerging Trends' in white. The AIP Applied Physics Reviews logo is in the bottom right.

NEW Special Topic Sections

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

AIP Applied Physics Reviews

Although the theory makes no pretence of being anything but a rough guide, it is clear that most of the volume of ionization arises from the compression of the ions, and only a small part from the electrostriction of the medium.

Erratum: Normal Vibrations of Polyacrylonitrile and Deuterated Polyacrylonitriles

[J. Chem. Phys. **41**, 1233 (1964)]

REIZO YAMADERA

*Textile Research Institute, Toyo Spinning Company, Ltd.
Katata, Shiga, Japan*

IN Eq. (2) on p. 1237, seventh term of the expression of $2V(j)$ should read

$$H(CCC'')R_cR_0' \sum_{\Theta_{III}, \Theta_{IV}} [\Delta\Theta(j)]^2,$$

instead of

$$H(CCC'')R_0'^2 \sum_{\Theta_{III}, \Theta_{IV}} [\Delta\Theta(j)]^2.$$

In α matrix on p. 1238, for third column in 17th row, read F_1 instead of F_3 , and for eighth column in 18th row, read U instead of L_0 .

In β matrix on p. 1239, for 14th, 15th, and 16th columns in 10th row, read T , T_0 , and P_2 instead of T_0 , T_2 , and P , respectively. β matrix should be transposed upon including the correction described above.

On p. 1240, for equations of S_2 and T_1 , read

$$S_2 = (5\rho_0\rho - \rho_0^2)\mu_C/6$$

and

$$T_1 = (5\rho_0\rho - \rho_0\rho_1)\mu_C/6.$$

On p. 1242, the sign of vibrational mode on s_7 in $S(j)_{II}$ matrix should read $\nu(\text{CH})$, not $\delta(\text{CH})$.

Erratum: Random-Walk Model of Chain-Polymer Adsorption at a Surface

[J. Chem. Phys. **43**, 2392 (1965)]

ROBERT J. RUBIN

National Bureau of Standards, Washington, D. C.

THE leading minus sign in the third line of Eq. (39) should be moved up to the second line.

The heading of the middle column of Table II should be $\nu(0, \infty)$.