

THE EVALUATION OF EXCHANGE INTEGRALS BY SOLVING POISSON'S EQUATION

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ERRATA

Professor H. C. Lee (李華宗) of the Mathematics Department of National Wuhan University kindly informed the author that eq. (6) of this paper was wrong. The calculations of the succeeding sections however, did not *exactly* follow the method of §2, and were not influenced by the error of eq. (6). The corrections of §2 are as follows:

Eqs. (3), (4), (5) and (6) should read:

$$G = \iint \frac{1}{r_{12}} F_1(x_1, y_1, z_1) F_2(x_2, y_2, z_2) d\tau_1 d\tau_2 \quad (3)$$

$$g(x_1, y_1, z_1) = \int \frac{1}{r_{12}} F_2(x_2, y_2, z_2) d\tau_2 \quad (4)$$

$$G = \int F_1(x_1, y_1, z_1) g(x_1, y_1, z_1) d\tau_1 \quad (5)$$

$$\nabla^2 g(x, y, z) = -4\pi F_2(x, y, z) \quad (6)$$

The sentence before eq. (3) should read: "Consider an integral of the form". The function $F(x_1 y_1 z_1, x_2 y_2 z_2)$ in the first sentence after eq. (5) should be replaced by $F_2(x_2, y_2, z_2)$. The last part of the sentence containing eq. (6), beginning from the words "and XYZ", should be cancelled. The clause "put XYZ equal to $x_1 y_1 z_1$ " in the last sentence of §2 should be cancelled.