

**Errata**

A Correction to: "Formula Manipulations Solving Linear Ordinary Differential Equations (II)" (Vol. 11, No. 2, 1976, pp. 297-337)

By

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The following table of computed result should be inserted between the pages 333 and 334.

$$Y_0 = (X_0 - 0) ** (1) * Y_1$$

TRANSFORMED EQUATION BY TYPE 1 IS AS FOLLOWS

$$Y_1'' + F(X_0) * Y_1' + G(X_0) * Y_1 = 0$$

WHERE

$$F(X) = \frac{(X)}{(X^2 - 1)}$$

$$G(X) = 0$$

SINGULAR POINTS ARE

$$1 \quad -1 \quad \text{INFINITY}$$

$$F_0(L) = (1/2) * (2L^2 - L)$$

CHARACTERISTIC EQUATION AT 1 IS

$$2L^2 - L = L * (2L - 1) = 0$$

AND NOT APPARENT

$$F_0(L) = (-1/2) * (-2L^2 + L)$$

CHARACTERISTIC EQUATION AT -1 IS

$$2L^2 - L = L * (2L - 1) = 0$$

AND NOT APPARENT

RANK OF INFINITY IS 0

CHARACTERISTIC EQUATION AT INFINITY IS

$$L^2 = 0$$

$$Y_1 =$$

$$(A + B * \text{INT}((X_0 - 1) ** (-1/2) * (X_0 + 1) ** (-1/2) * DX_0))$$

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