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95m:30004

Koepf, Wolfram (D-KOZU)

Taylor polynomials of implicit functions, of inverse functions, and of solutions of ordinary differential equations. (English summary)

Complex Variables Theory Appl. **25** (1994), *no. 1,* 23–33.

30B10 (30-04 34-04 34A05)

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The author presents a simple and efficient algorithm to calculate Taylor polynomials of implicit functions, of inverse functions, and of solutions of ordinary differential equations. The algorithm is then implemented by listing the necessary commands to perform calculations in the computer algebra system DERIVE.

Reviewed by *A. K. Agarwal*