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**Investigation of an approximate solution of the second Painlevé equation.** (Russian)

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Differ. Uravn. 25, No. 10, 1829-1832 (1989).

The equation (1)  $y'' = 2x^3 + xy + \alpha$ ,  $y(x_0) = y_0$ ,  $y'(x_0) = y_1$  is studied. There is given a method for numerical evaluation of singular points of (1).

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**MSC:**

[65J99](#) Numerical analysis in abstract spaces

[65L05](#) Numerical methods for initial value problems

Cited in **1** Document

**Keywords:**

[numerical evaluation of singular points](#)