عنوان مقاله:

Some efficient Nordsieck integration methods for IVPs

محل انتشار:

مجله ایرانی آنالیز عددی و بهینه سازی, دوره 8, شماره 1 (سال: 1396)

تعداد صفحات اصل مقاله: 19

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خلاصه مقاله:

In this paper, in continuation of the construction of efficient numerical methods for stiff IVPs, we construct type two Nordsieck second derivative general linear methods with order p = s, where s is the number of internal stages, and stage order q = p. Implementation of the constructed methods with fixed and variable stepsize is discussed which .verifies their efficiency

كلمات كليدى:

Stiff differential equations; Nordsieck second derivative general linear methods; A— and L—stability; Variable stepsize implementation

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