

# On the Zero Stability of the Variable Order Variable Stepsize BDF- Formulas

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## Abstract

This paper contains bounds for the mesh-size ratios  $h_{j+1}/h_j$  of nonequidistant grids such that any combination of the widely used backward differentiation formulas with orders  $l$ ,  $1 \leq l \leq m$ ,  $m = 3, 4, 5$ , performs zero-stable.

*Subject Classifications:* AMS (MOS): 65L05 ; CR: G 1.7.

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