

ON THE GENERAL LINEAR INTEGRATION METHODS

Iulian COROIAN

Abstract. For the numerical solution of the initial value problem (1.1) - (1.2) a family of DIMSIM methods (Diagonally Implicit Multi-Stage Integration Methods) of order $p=3$, are derived.

Subject classifications: 65L05, 65L06.

Key words: initial value problem, general linear methods, order conditions.