
SEMINARIUM ZESPOŁU MATEMATYKI OBLICZENIOWEJ

W dniu 17 grudnia 2019 r. (wtorek) o godz. 12:00
w sali 303 (w łączniku A3-A4)

prof. dr hab. Zdzisław Jackiewicz

Department of Mathematics, Arizona State University
AGH University of Science and Technology

wygłosi referat pt.

Local error estimation for implicit–explicit general linear methods

Serdecznie zapraszamy!

Abstract: We investigate implicit–explicit methods for differential systems with stiff and non-stiff parts. Stage order and order conditions are formulated and estimation of local discretization errors in fixed and variable stepsize environments is discussed. We also describe the construction of such methods with desirable accuracy and stability properties. This is a joint work with Angela Cardone, University of Salerno, and Giuseppe Izzo, University of Naples.