

SOMSAK ORANKITJAROEN

Research Activities

Areas of Expertise

Distribution theory; functional analysis applied to modelling in mechanics

Current Interests and Activities

My recent and current research activities involve the analysis of ordinary differential equations in the framework of distribution theory and the investigation of modelling in mechanics by using mathematical tools from functional analysis in the following areas.

1. Solution types of ordinary and fractional ODEs; coexistence of different kinds of solutions; integral transforms
2. Homogenization; reduction of dimensions in the problem of mathematical elasticity.