

## ISAAC Interest group in PDEs

### *Main goals of the interest group:*

A special ISAAC Interest group in Partial Differential Equations (PDEs) consists of ISAAC members whose activities are focused on the *Theory of Partial Differential Equations and its Applications*. The main goal of this interest group is to channel activities and resources within the ISAAC community to develop and promote different research topics of the analysis of partial differential equations and its applications. Moreover, the interest group is interested to interact with other ISAAC interest groups like the interest group of pseudo-differential operators, the interest group of generalized functions and the interest group of special functions. Of particular interest to the group are qualitative theory of linear and non-linear partial differential equations, study of concrete PDE models of natural sciences, modeling of real processes of engineering, simulation and computation of PDE models. The members of the group are interested to distribute different methods, techniques and approaches to attack PDE problems within the ISAAC community.

### *New members:*

Membership in the *ISAAC Interest group in PDEs* is open to all ISAAC members.

### *Scientific activities:*

The group will organize two or three different special sessions about PDEs at every ISAAC congress. Collected papers of participants of future ISAAC congresses will be published in a PDE series of monographs. After every congress usually one monograph will be published. Between ISAAC congresses a training course for Master or PhD students will be organized. Finally, a current list of publications of the members of the interest group will be published before every ISAAC congress.

### *Organization:*

The members of the interest group elect three members which manage the activities between two ISAAC congresses. Two of them will be the representatives of the interest group in the ISAAC board.

### *Current list of members:*

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