



The Solutions of Partial Differential Equations and Recent Applications, 2nd Edition

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Deadline for manuscript
submissions:

closed (23 July 2023)

Message from the Guest Editor

Partial differential equations with fractional and integer orders have been applied in many modeling problems. They are inspired by the problems that arise in diverse fields such as biology, finance, physics, differential geometry, control theory, as well as engineering. Furthermore, the formulations of theorems that describe the initial value and boundary value problems are of particular interest to PDE. Here, we consider the wide range of applications, including some physical applications—in particular, the fractional form of the advection–dispersion equation—and the fundamental solution in the form of the Lévy α -stable distribution density among the important applications of fractional modeling. In this Special Issue, we aim to cover the recent developments of the typical models, to generalize the known standard problems, and to replace classical terms with fractional forms.

