Invited Talk-02

Numerical Solutions of Some Evolutionary Equations by B-Splines

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A B S T R A C T

When we model a real-life phenomenon mathematically, it leads to a differential equation. When the phenomenon is time-dependent then it is a partial differential equation or a system of partial differential equations. Quite often these are non-linear differential equations. In this talk, we consider some non-linear evolutionary equations and solve them numerically using B-Splines. The computed results are also reported.

Keywords: B-Splines, evolutionary equations, numerical solution.