Mathematics, Statistics, and Computer Science   **@ UIC**

Departmental Colloquium

Strictly Dissipative Hyperbolic Boundary Value Problems With Trihedral Corners

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Abstract: To compute approximate solutions of partial differential equations on all of space one usually performs computations on a bounded computational domain.

Often the domain is chosen rectangular therefore with trihedral corners in three dimensional space.

Artificial absorbing boundary conditions are imposed. One needs to analyse dissipative boundary value problems with trihedral corners. Existence is easy. Uniqueness is not. Describe recent work with Laurence HALPERN and open problems.

Friday, November 3 at 3:00 PM in SEO 636