

A survey of some problems from chemical enhanced oil recovery

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Abstract: Chemical enhanced oil recovery is a very complex problem. It is a rich source of interesting problems in development of new numerical methods, partial differential equations, hyperbolic conservation laws, moving boundary problems, numerical analysis, complex fluids, porous media flows among many others. In this talk, the speaker will touch upon these problems while describing the modeling aspect of chemical enhanced oil recovery. During the course of this talk, some results obtained in collaboration with Gelu Pasa will also be presented.

Miercuri, 13 aprilie 2011, ora 13:00 la sediul IMAR, sala C. Banica 306 (etajul 3)