

Re: convection–diffusion PDE solver packages

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- *From:* Mirko.Vukovic@xxxxxxxxxx
 - *Date:* Thu, 24 Jan 2008 12:36:24 -0800 (PST)
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On Jan 24, 3:18 pm, Gib Bogle <bo...@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

Mirko.Vuko...@xxxxxxxxxx wrote:

Hi,

Does anyone know of packages to solve the convection–diffusion PDE's (maybe using the finite volume formulation)? I am looking to solve a chemically reactive flow problem.

I saw Clawpack, but that one is for hyperbolic PDE's. It does offer one example of the advection/diffusion problem (<http://www.amath.washington.edu/~claw/>), but not being an expert, I am wondering how robust clawpack is for such problems.

Thank you,

Mirko

Try sci.math.num–analysis

Thanks for the pointer

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