

Re: looking for package for convection–diffusion PDEs

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- *From:* Torsten Hennig <Torsten.Hennig@xxxxxxxxxxxxxxxx>
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Hi,

Does anyone know of a fortran package 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

Some questions concerning your request:

Do you want to model in 1d, 2d or 3d ?
Is the flow convection– or diffusion–dominated ?

Best wishes
Torsten.

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