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Quentin Magdelaine

20/08/18

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Hi,

I propose a patch to correct the order of the events when we use advection.h. With the previous version, if we use vof.h with it, the stability() event of vof() came after the velocity() event of advection.h where dtnext() is called. Moreover, the diffusion step came after velocity() and before vof(), whereas we would rather compute the velocity just before the advection.

To correct this order and facilitate the switch between advection.h and navier-stokes/centered.h, I propose in this patch to:

- * rename velocity() stability(), same name as in vof.h and navier-stokes/centered.h,

- * define an alias for velocity for backward compatibility,

- * add four empty events : vof(), tracer_advection(), tracer_diffusion() and adapt() to fix the order of the events.

I ran the tests, rotate.c gives slightly different results, but I expect it just because the logfile() event is not at the same place in order of the events.

It is the first time that I do a patch, I may not doing it right, please tell me if I don't.

Cheers,

Quentin Magdelaine

Anexos (2)

