

Hyperbolic problems: a new point of view

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Traditionally, conservation in numerical schemes is seen at the level of faces defined from the mesh, by the numerical scheme. For example, in finite volume methods, we define a control volume, and we look at the conservation on the boundary of the control volume. This point of view has been very successful, but one can also define another point of view, that contains the previous one,

but is richer. This viewpoint will be described and two applications that lead to nonstandard patterns will be shown.

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