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Author summary: “New convenient stability criteria are provided in this paper for a large class of finite difference approximations to initial-boundary value problems associated with the hyperbolic system $\mathbf{u}_t = A\mathbf{u}_x + B\mathbf{u} + \mathbf{f}$ in the quarter plane $x \geq 0, t \geq 0$. Using the new criteria, stability is easily established for numerous combinations of well-known basic schemes and boundary conditions, thus generalizing many special cases studied in recent literature.”

{For the entire collection see [MR 87a:76004a](#)}

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