ICM 1998, Berlin, Aug. 18–27

Abstracts of Short Communications and Posters

Section:

15. Numerical Analysis and Scientific Computing

1991 MS Classification:

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The "counter-example" to W. Littman's counter-example of L_p-energetical inequality for wave equation

It is well known (W. Littman's counter-example, 1963), that L_p-energetical inequality for solutions of multidimensional wave equation is true in the case $p = 2$ only. However there exists a multidimensional pseudodifferential elliptic operator of the second order such that for solutions of correspondent hyperbolic equation L_p-energetical inequality holds for any $1 < p < +\infty$. The proof of this statement is based on the boundedness in L_p-norm of some one dimensional pseudodifferential operator in the case, when Marcinkiewicz-Mikhlin's theorem is not applicable.