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S Petermichl* (stefanie@math.utexas.edu), 1 University Station C1200, Department of Mathematics, UT Austin, Austin, TX 78712, and **M Dindos** and **J Pipher**. *The L^p Dirichlet Problem and a p -Square Function*.

We establish L^p solvability for $1 < p$ of the Dirichlet problem on Lipschitz domains with small constant for elliptic divergence type operators with rough coefficients that obey a certain Carleson condition with small norm. (Received February 13, 2006)