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Michael E. Taylor* (met@math.unc.edu), Math. Dept., UNC, Chapel Hill, NC 27599. *Toeplitz operators on uniformly rectifiable domains.*

We consider Hardy spaces of solutions to certain first-order elliptic systems of PDE on uniformly rectifiable domains, singular integral operators that yield projections onto the space of their boundary values, and Toeplitz operators associated with these projections. We discuss results on the index of such Toeplitz operators, when they are Fredholm. This talk covers work with D. Mitrea, I. Mitrea and M. Mitrea, following work with S. Hofmann and M. Mitrea. (Received September 06, 2016)