

1058-28-107

**Thomas M Jordan\*** ([thomas.jordan@bris.ac.uk](mailto:thomas.jordan@bris.ac.uk)), The department of Mathematics, The University, of Bristol, University Walk, Clifton, Bristol, BS8 1TW, England. *Multifractal analysis for Bedford-McMullen carpets.*

Joint work with Michal Rams. In this talk we will show how it is possible to calculate the multifractal analysis for a class of self-affine measures. These are self-affine measures which are supported on the self-affine structures originally studied by Bedford-McMullen. Previous work on this subject by King, Olsen and Barral-Mensi as always required some suitable strong separation conditions. We show that such conditions are not needed. (Received February 09, 2010)