

1106-AA-1665 **Michael F. Barnsley*** (michael.barnsley@anu.edu.au). *Old Wine in Fractal Bottles*.

This presentation will define and describe fractal transformations between self-referential spaces, and show how they can act on familiar objects such as Fourier series, Hausdorff measures, orthogonal polynomials, Laplacians and flows, to yield fractal counterparts, some with useful properties. (Received September 14, 2014)