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**Judith A Packer\*** ([packer@colorado.edu](mailto:packer@colorado.edu)), Department of Mathematics, Campus Box 395, University of Colorado at Boulder, Boulder, CO 80309. *Notions of equivalence of generalized multiresolution analyses*. Preliminary report.

I discuss some recent work, done in collaboration with L. Baggett, V. Furst, and K. Merrill, that studies in more depth the generalized multiresolution analyses (GMRA) giving rise to Parseval frames, as first defined by Baggett, Merrill and H. Medina in 1999. Such GMRA can be described by their multiplicity functions  $m$  and matrix-valued filter functions  $H$ . In this talk, the emphasis will be on an equivalence relation that can be defined on GMRA satisfying appropriate properties, in terms of their associated multiplicity functions and filters. (Received February 03, 2009)