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Eugen Andrei Ghenciu* (ffeag@uaf.edu), P.O. Box 750232, Fairbanks, AK 99775. *Limit Sets in Graph Directed Constructions.*

We consider limit sets in graph directed constructions and we analyze their hausdorff dimension. The hausdorff dimension of the limit set turns out to be the zero of the topological pressure functions in a much more general case than the one in which the associated incidence matrix is finitely primitive. We end with several examples and applications. (Received September 25, 2006)