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Luke Rogers, Department of Mathematics, 196 Auditorium Road, Storrs, CT 06269-3009, **Antoni Brzoska**, Department of Mathematics, 196 Auditorium Road, Storrs, CT 06269-3009, **Stephen Loew***, Coe College, 1220 First Avenue NE, Cedar Rapids, IA 52402, **Madeline Hansalik**, Department of Mathematics, Mailstop 3368, Texas A&M University, College Station, TX 77843-3368, and **Aubrey Coffey**, Agnes Scott College, 141 E. College Ave., Decatur, GA 30030. *Magnetic spectral decimation on two-point model graphs.*

In a paper of Malozemov and Teplyaev, the authors show it is possible to use the technique of spectral decimation to compute the spectrum of probabilistic Laplacians on a sequence of symmetric self-similar graphs known as M -point model graphs. In this paper, these results are extended to magnetic Laplacians in the case where $M = 2$. An example is worked out in the case of graph approximations to the diamond fractal. (Received January 31, 2016)