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**Sze-Man Ngai\*** ([smngai@georgiasouthern.edu](mailto:smngai@georgiasouthern.edu)), Department of Mathematical Sciences,  
Georgia Southern University, Statesboro, GA 30458. *Eigenvalue behavior of fractal Laplacians  
defined by iterated function systems with overlaps*. Preliminary report.

We report some preliminary study of the asymptotic behavior of the eigenvalue counting function for certain Laplacians on the unit interval that are defined by iterated function systems that do not satisfy the open set condition. (Received September 04, 2006)