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**Vicente Alvarez\*** ([valvarez123@gmail.com](mailto:valvarez123@gmail.com)), Department of Mathematics, San Bernardino Valley College, San Bernardino, CA 92410. *Numerical computation of the eigenfunctions of the Kusuoka Laplacian on the Sierpinski gasket.* Preliminary report.

We will present numerical and graphical results concerning the eigenfunctions and the eigenvalues of the Kusuoka Laplacian on the Sierpinski Laplacian. We will also briefly compare our results with those concerning the standard fractal Laplacian on the Sierpinski gasket. (Received September 15, 2009)