1057-35-48   **Robert Smits*** (`rsmits@nmsu.edu`), 1395 Panlener Ave, Las Cruces, NM 88001. *Brownian Motion and the Bass Note of a Drum, What's New.*

We show that the reciprocal of the principal eigenvalue of some general operators is comparable to the supremum of the solution to associated torsion problems for the same operator. The work includes the case of the p-Laplacian as well as stable processes. (Received December 17, 2009)