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Aimee S.A. Johnson* (aimee@swarthmore.edu), Department of Mathematics and Statistics, Swarthmore College, Swarthmore, PA 19081, and **K Dajani** and **M de Vries**. *The Relative Growth of Information*.

Let x be a point from the unit square, and consider 2 sequences of partitions on the square. In this talk we consider how knowledge about the location of x with respect to one sequence of partitions helps determine its location in the other sequence of partitions. This is joint work with K. Dajani and M. de Vries. (Received September 25, 2005)