1038-05-119   **József Balogh** and **Ryan Martin*** (`rymartin@iastate.edu`), Department of Mathematics, 396 Carver Hall, Iowa State University, Ames, IA 50010. *The edit distance function.*

In this talk, we describe the edit distance function, a function of p, which is derived from the maximum edit distance over all n-vertex density-p graphs from a given hereditary property $\mathcal{H}$.

We will show that the function is both continuous and concave down and give some examples from recent results. We will also provide some open problems that relate to estimating this function and estimating its maximum value. (Received February 04, 2008)