## Abstract Submitted for the MAR07 Meeting of The American Physical Society

Generalization of distance to higher dimensional objects, and applications to biopolymer folding<sup>1</sup> STEVEN PLOTKIN, Department of Physics, University of British Columbia, Vancouver — The measurement of distance between two objects is generalized to the case where the objects are no longer points but are one-dimensional (strings) or many-dimensional (differential manifolds). Applications to biopolymer folding will be discussed.

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