

Abstract Submitted
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Generalized distance and its application in protein folding ALI MOHAZAB, University of British Columbia, STEVE PLOTKIN COLLABORATION — The concept of Euclidean distance between two points can be generalized to extended objects. The generalized distance \mathcal{D} can be used as a reaction coordinate in protein folding process. Here \mathcal{D} is compared and contrasted with some well-known reaction coordinates, Q and RMSD and is applied to protein fragments such as alpha helix and beta hairpin. The non-crossing constraint in utilizing \mathcal{D} is also discussed.

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