

1145-57-1772      **Kenneth Cary Millett\*** ([kmillett@gmail.com](mailto:kmillett@gmail.com)), Department of Mathematics, UCSB, Santa Barbara, CA 9316. *Topological Entanglement in Macromolecules.*

The structure and consequences of topological entanglement in a macromolecular chain will be described using a local knotting and linking fingerprints that has been created for this specific purpose. They will be applied to several difference circumstances arising in the study of protein structures illustrating their character in these scientifically interesting instances. (Received September 24, 2018)