

Abstract Submitted
for the MAR12 Meeting of
The American Physical Society

Curvature, torsion and temperature in energy transfer YASSER
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Curvature and torsion can play a role in energy transfer in alpha-helical proteins
[New J. Phys. 12, 055003 (2010)]. The phenomenon is specific to alpha-helices and
not to beta-sheets in proteins due to the three strands of hydrogen bonds constituting
the alpha-helical backbone. In this work we analyse and discuss how temperature
can affect the role of geometry in the energy transfer.

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Date submitted: 23 Nov 2011

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