

Abstract Submitted
for the MAR09 Meeting of
The American Physical Society

Computational Physics Undergraduate Research Experience (A case Study) HOMEYRA SADAGHIANI, ALEX SAMLL, California Polytechnic University Pomona — There is a growing trend of inclusion of more research programs into undergraduate education. In spite of that, the assessment of undergraduate-research experience in physics is limited. This presentation describes a ten weeks undergraduate summer research experience in computational physics in the field of biophysics for two upper division physics students at Cal Poly Pomona. The analysis of Pre/post test data suggests more gains on research methodologies and skills than actual physical concepts underling the research project. We also discuss student attitude change measured by survey and interviews.

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Date submitted: 18 Nov 2008

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