

UTILIZING SPECTROSCOPIC RESEARCH TOOLS AND SOFTWARE IN THE CLASSROOM

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Given today's technological age, it has become crucial to be able to reach the student in a more "tech-savvy" way than traditional classroom methods afford. Given this, there are already a vast range of software packages available to the molecular spectroscopist that can easily be introduced to the classroom with success. This talk will highlight taking a few of these tools (Gaussian09, SPFIT/SPCAT, the AABS Package, LabViewTM, etc.) and implementing them in the classroom to teach subjects such as Quantum Mechanics and Thermodynamics as well as to aid in the linkage between these subjects. Examples of project implementation on both undergraduate and graduate level students will be presented with a discussion on the successes and failures of such attempts.