

A BASELINE SUBTRACTION TOOL

Z. DUAN and R. W. FIELD, *Department of Chemistry, Massachusetts Institute of Technology, Cambridge, MA 02139*; A. F. RUCKSTUHL, *Departement P, Zurcher Hochschule Winterthur (Zurich University of Applied Sciences), Postfach 805, 8401 Winterthur, Switzerland*; M. JACOBSON, *Department of Chemistry, Columbia University, New York, NY 10027*; J. DODD, *Space Vehicles Directorate, Air Force Research Laboratory, Hanscom Air Force Base, MA 01731*.

An Igor macro based on robust baseline estimation is introduced, which uses techniques of robust local regression to estimate baselines in spectra that consist of sharp features superimposed upon a continuous, slowly varying baseline ^a.

^aA. F. Ruckstuhl, M. P. Jacobson, R. W. Field, and J. A. Dodd, *Journal of Quantitative Spectroscopy and Radiative Transfer*, 68, 179-193 (2001).