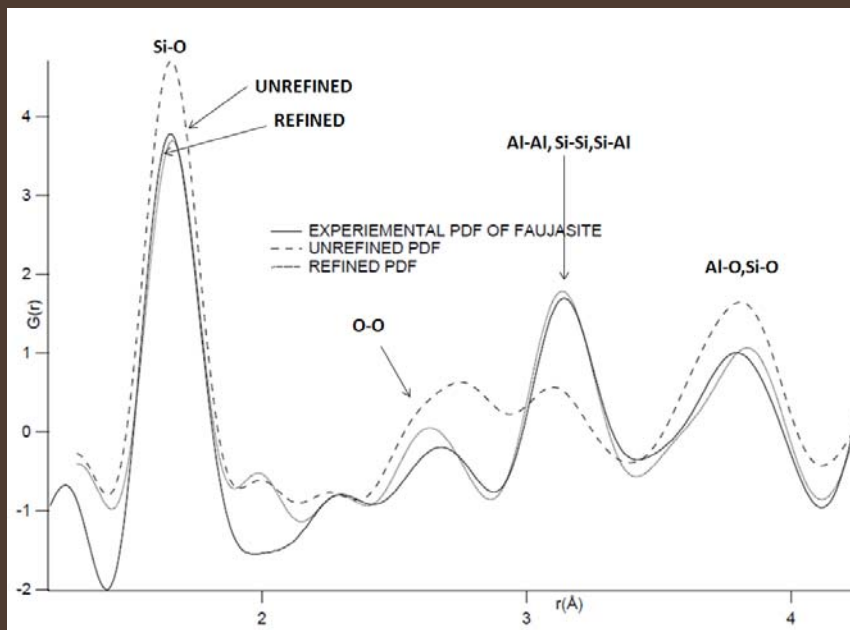


DEVELOPMENT OF A SCATTERING CHARACTERIZATION TECHNIQUE TO STUDY THE NUCLEATION AND GROWTH MECHANISM OF SUPPORTED METALS

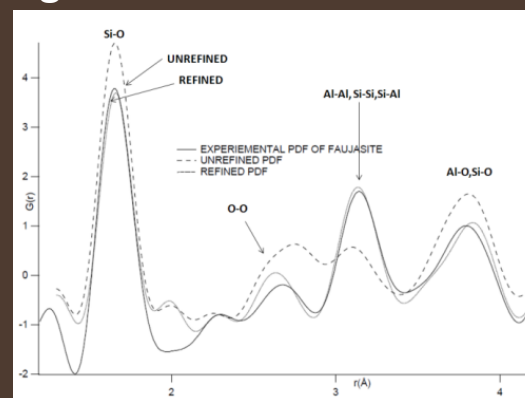
Maria Martinez-Inesta, Chemical Engineering Department, University of Puerto Rico, Mayaguez, PR ND 49192-ND5

- Structural models were obtained for zeolites faujasite and mordenite with a real space Rietveld refinement using the experimental pair distribution function (PDF)

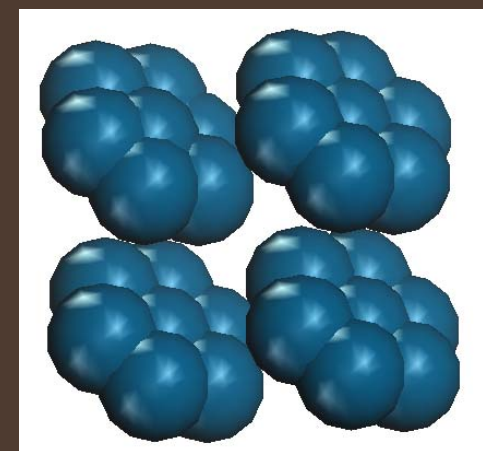


Unrefined and refined structure of faujasite compared to the experimental PDF

A Pt Cluster Model was obtained that agreed with the differential Pt PDF



Experimental Pt differential PDF for the 2.5% wt Pt-faujasite



Refined Structural Model of the supported Pt particles