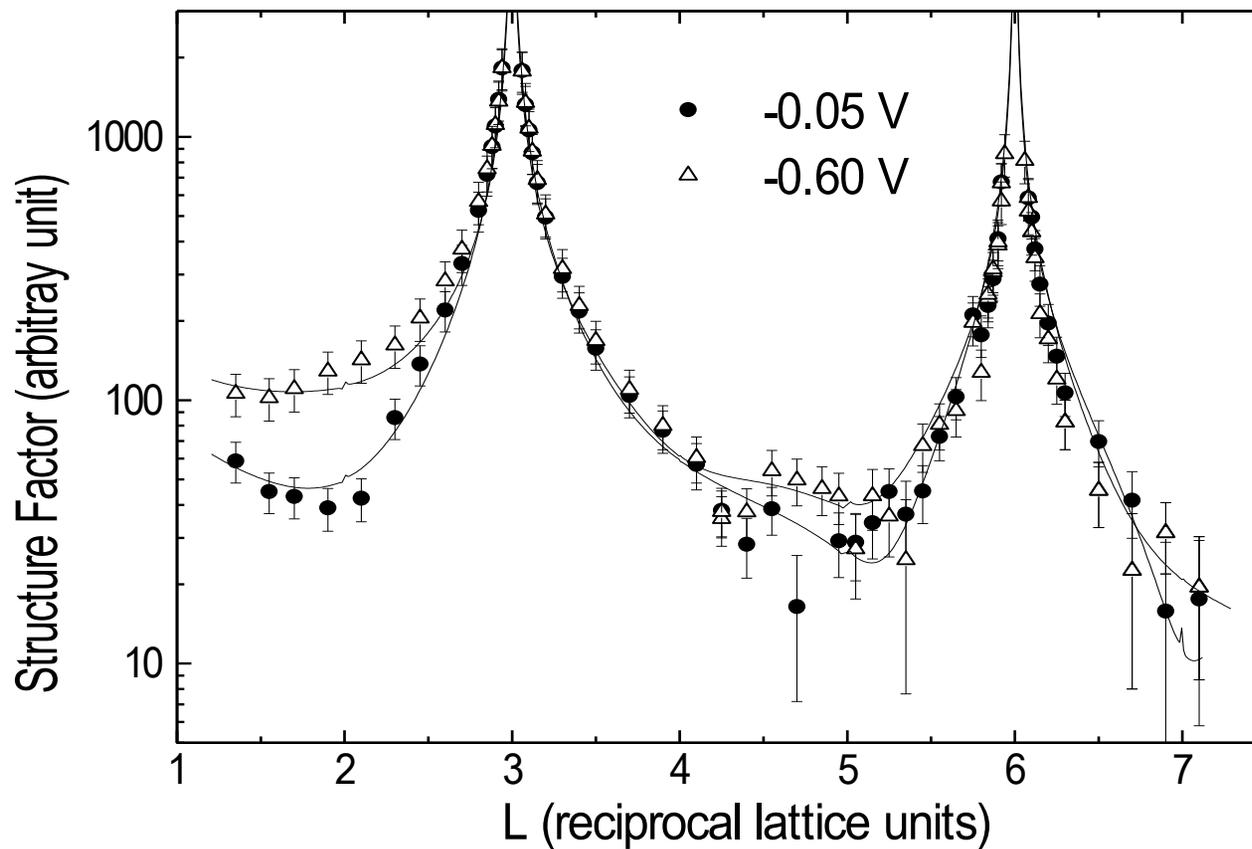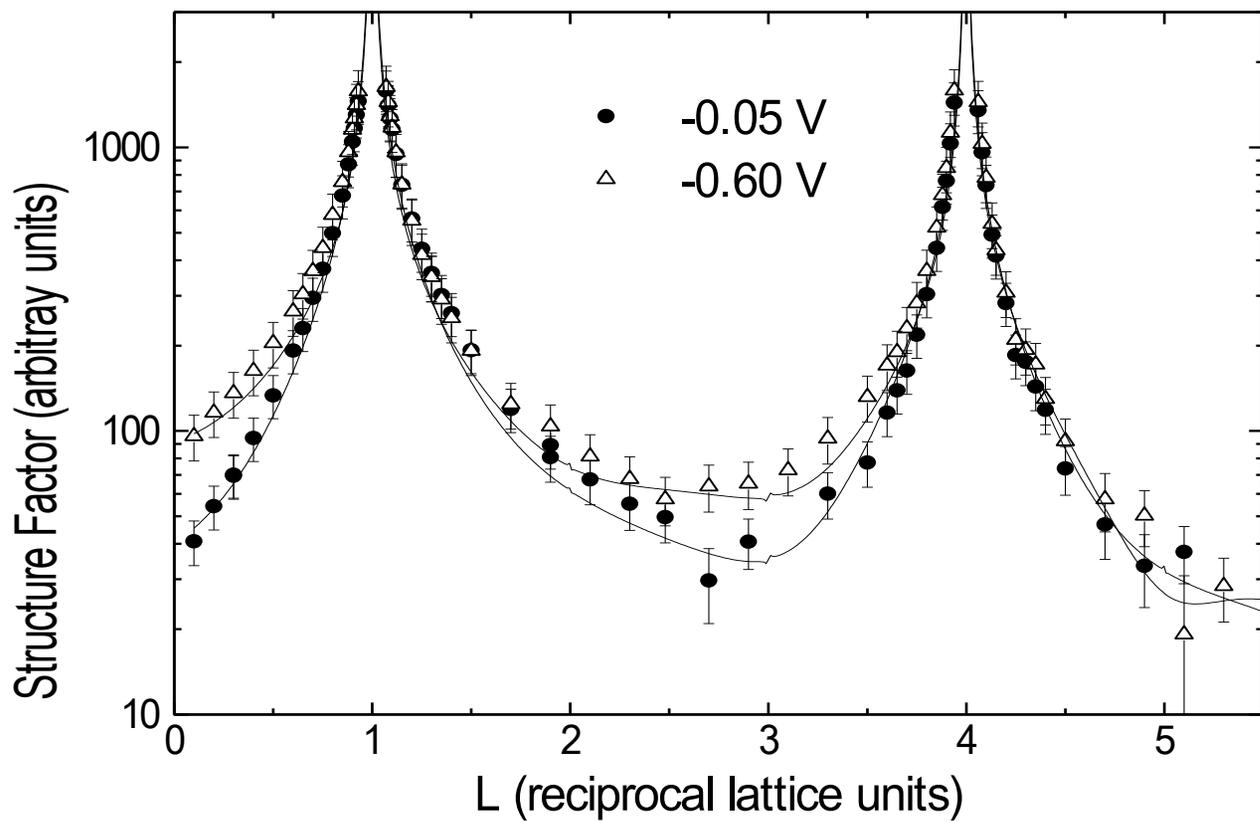# Interfacial Diffraction Methods for Investigating Chemical Reactions During Corrosion

Ian Robinson

University of Illinois

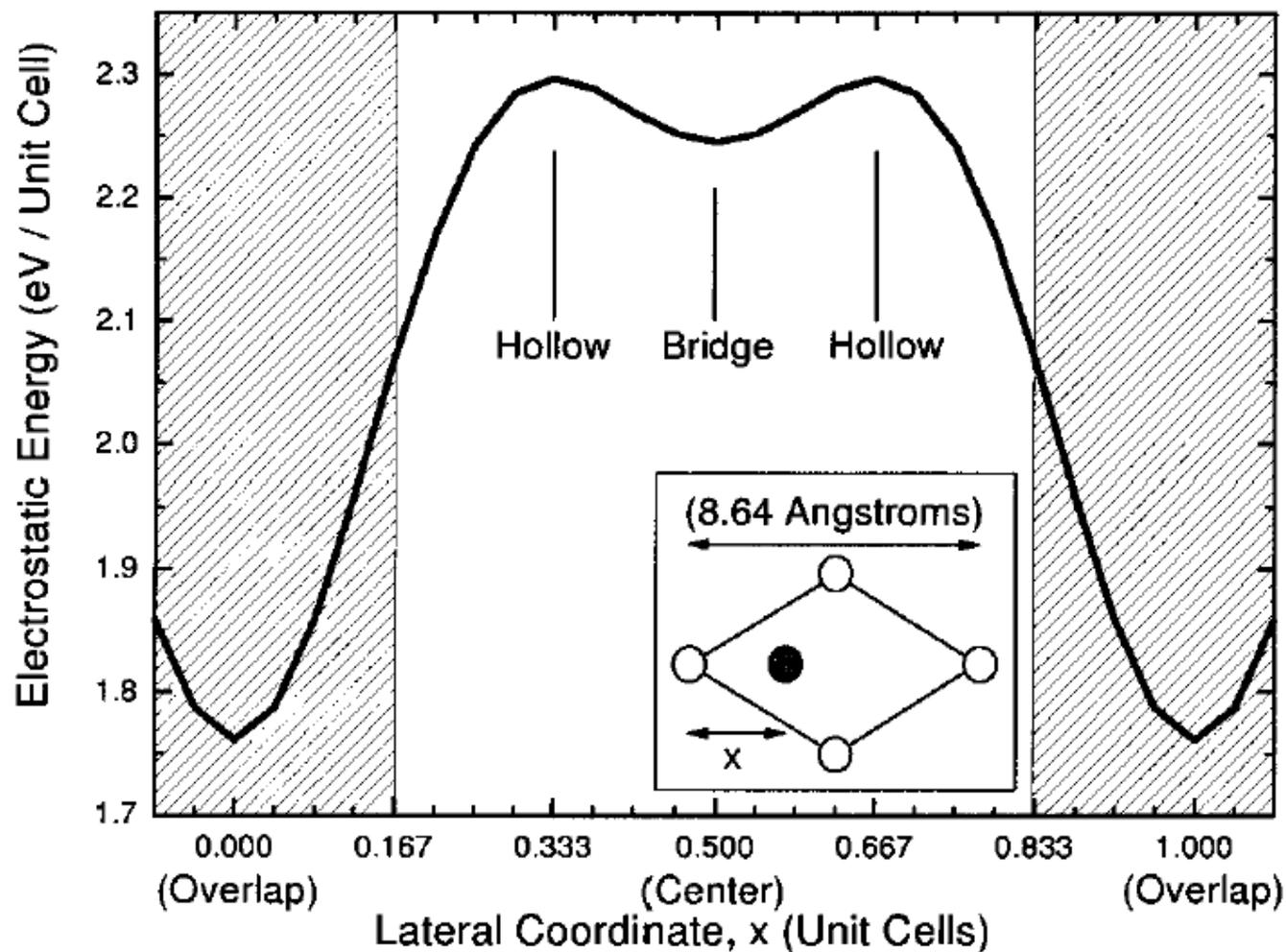Gordon Conference on Aqueous Corrosion, New London, NH,   July 2002

Gordon Conference on Aqueous Corrosion, New London, NH,   July 2002

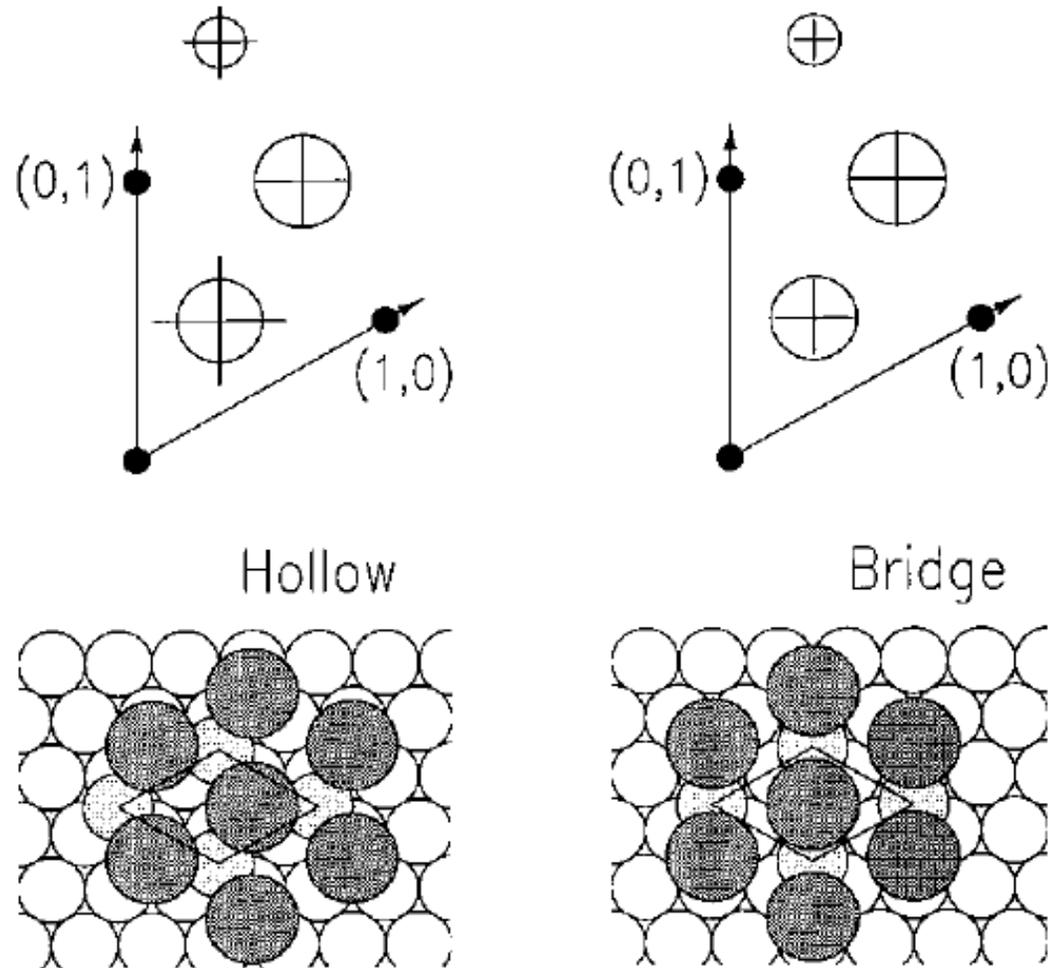Gordon Conference on Aqueous Corrosion, New London, NH,   July 2002

Madelung Electrostatic Sum
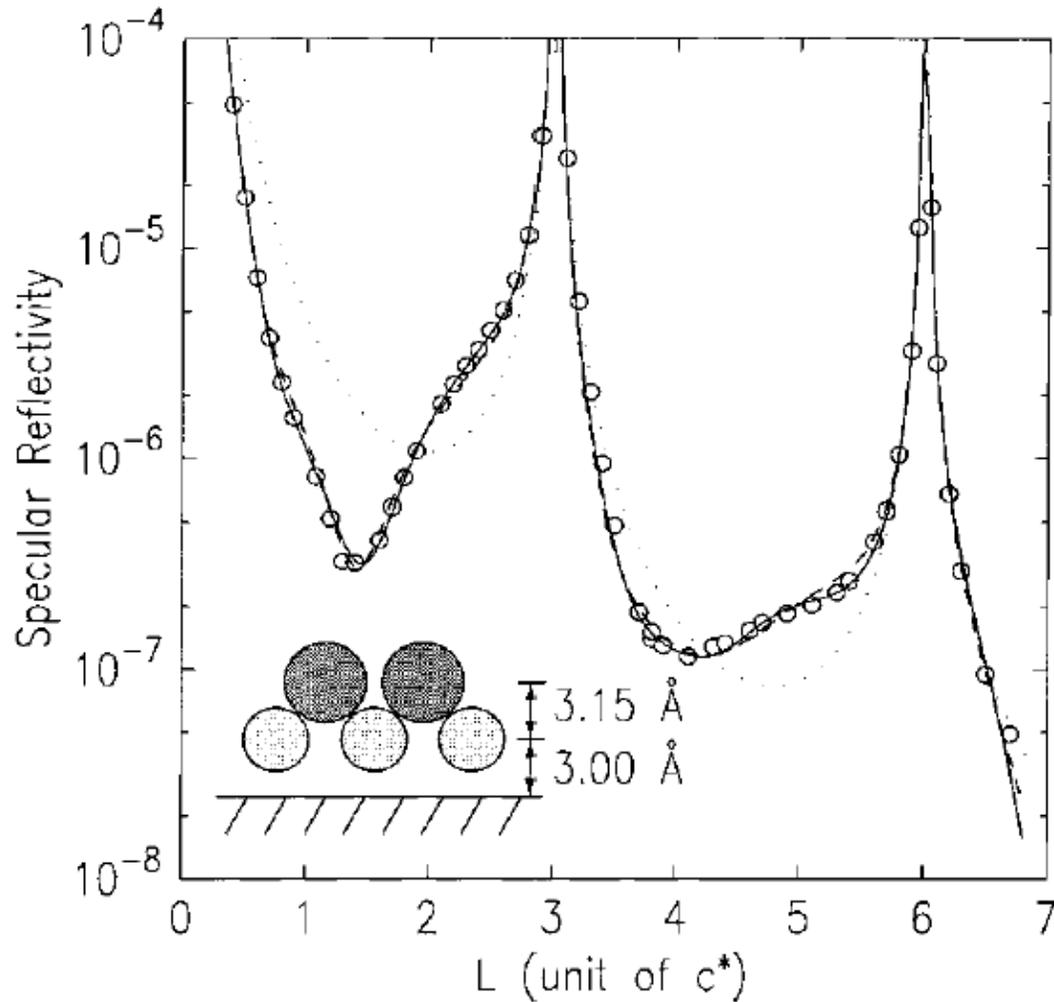## assuming planar separation of 3.15A

Structure of PbBr/Au(111) rt3

Gordon Conference on Aqueous Corrosion, New London, NH,   July 2002
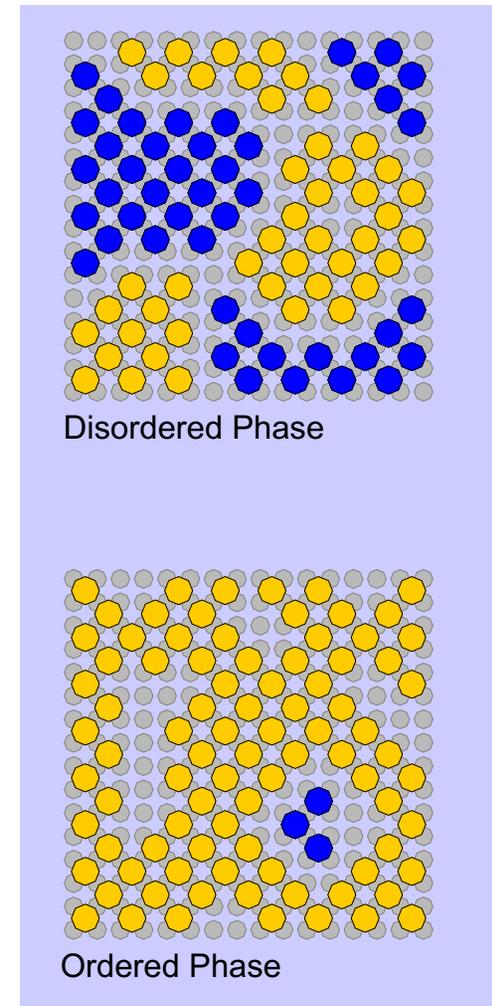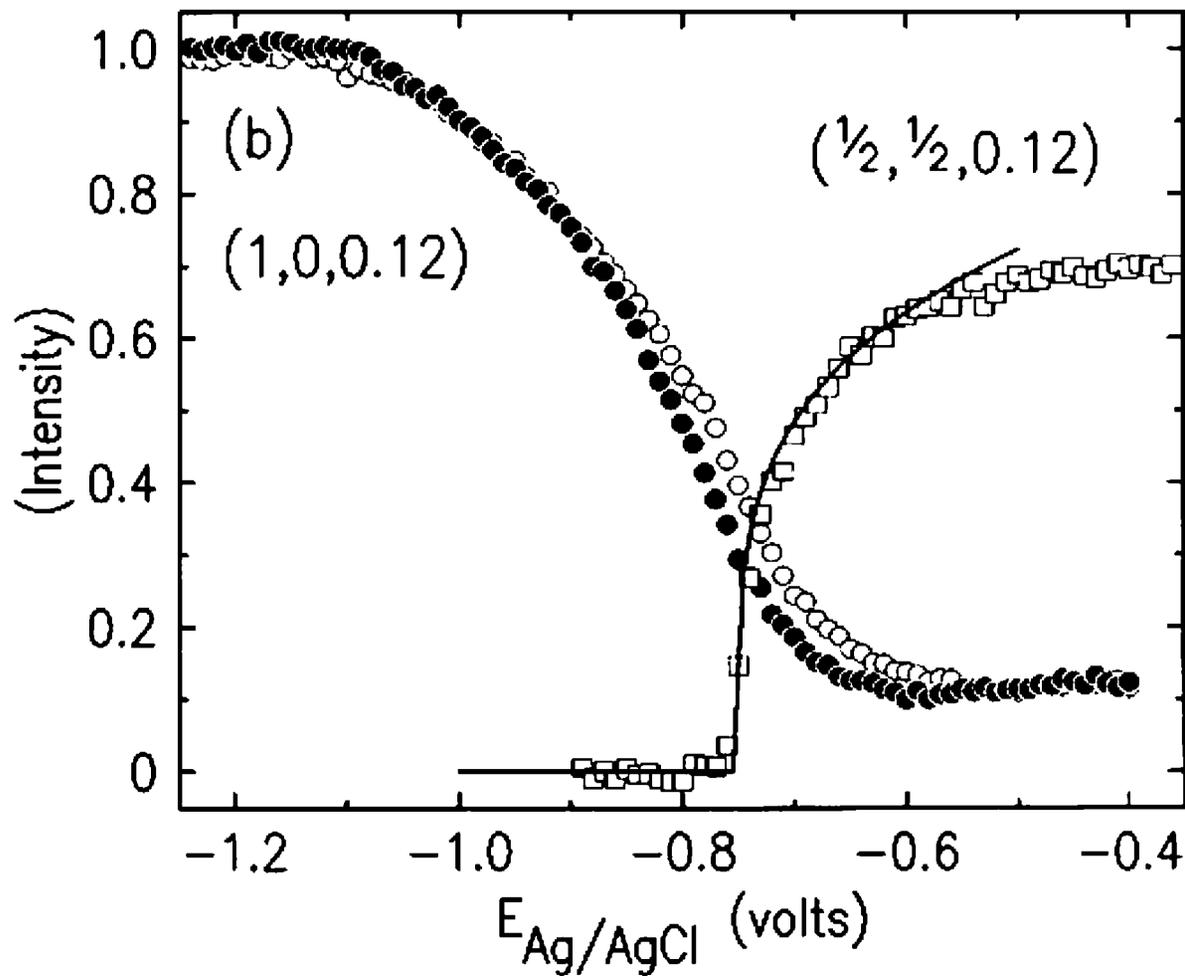
X-ray Reflectivity of PbBr/Au(111)

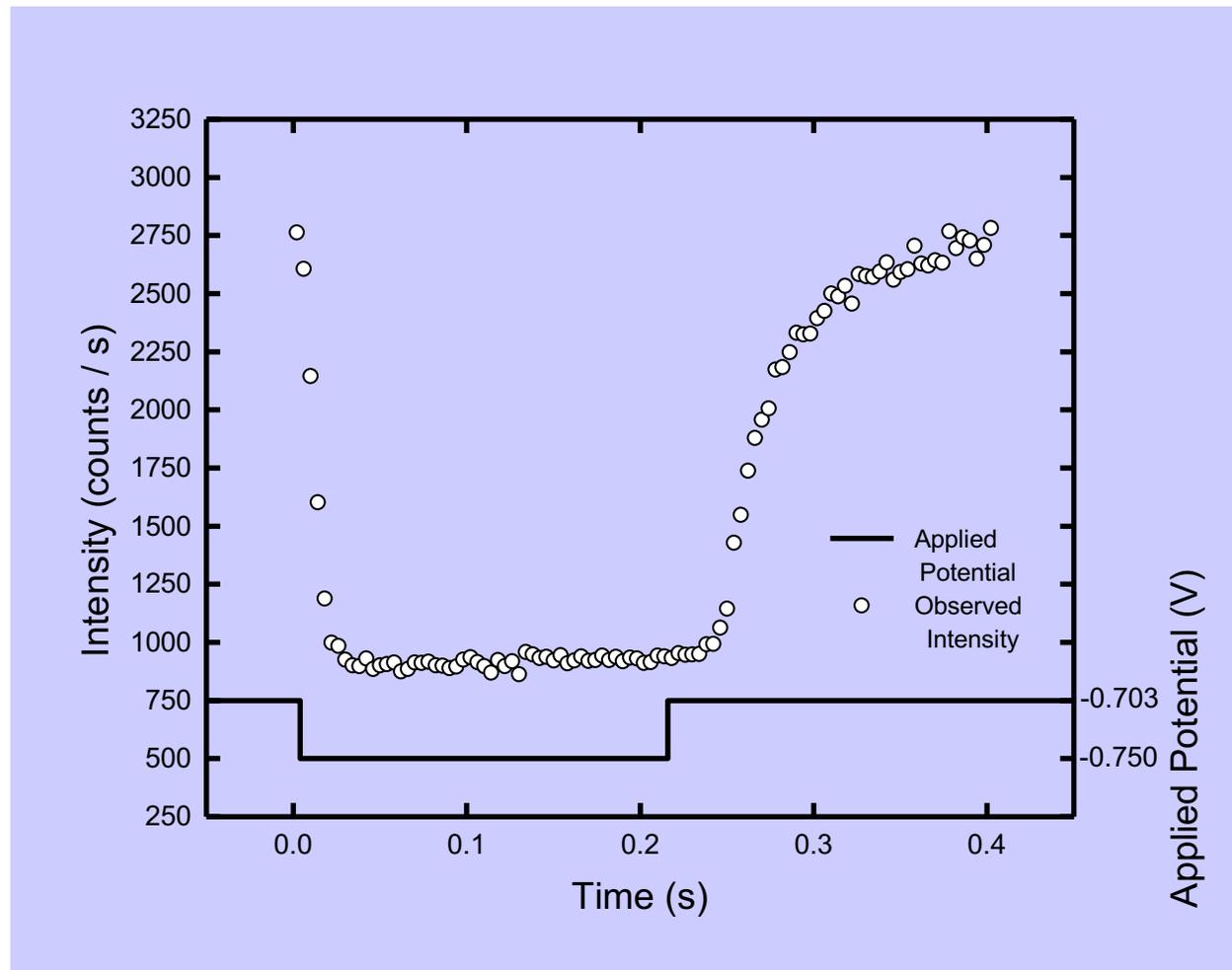Gordon Conference on Aqueous Corrosion, New London, NH,   July 2002

Ordering of Bromide on Ag(100)

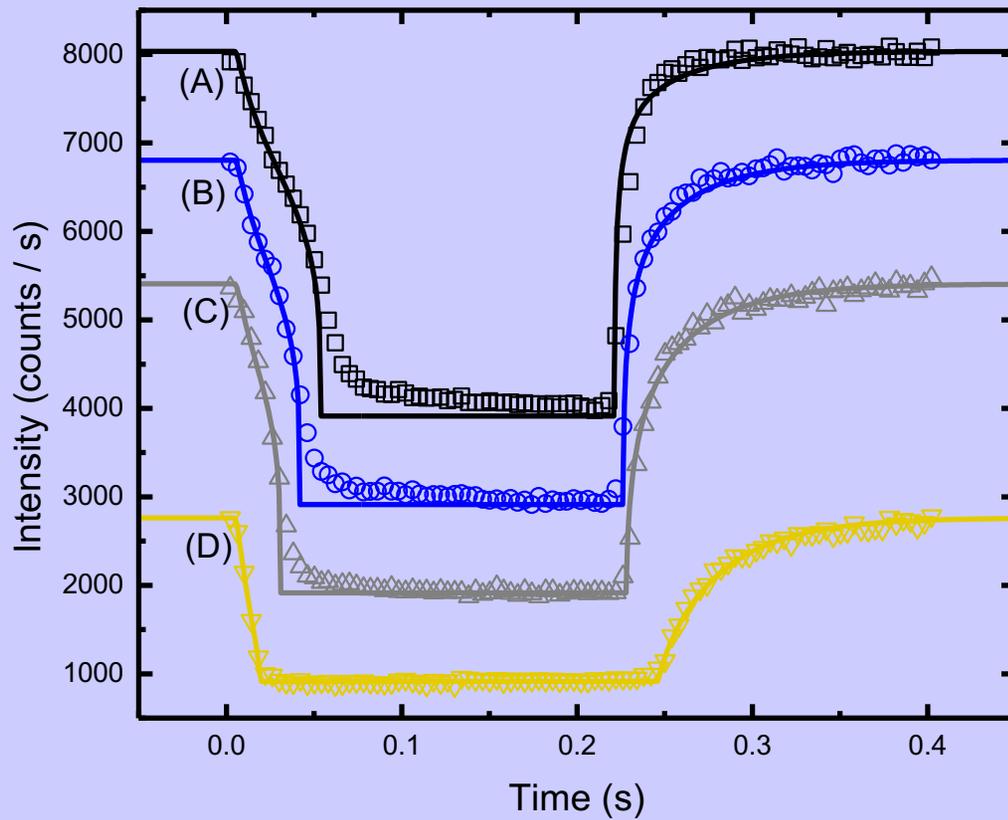B. M. Ocko, J.X. Wang, T. Wandlowski, Phys. Rev. Lett. **79** (1997) 1511.

Disordered Phase

Ordered Phase

Time-Response of Thin-Layer Cell
Crossing Order-Disorder Phase Transition

Model using 2D Diffusion Equation