Qualitative Representations as a Modeling Language for Cognitive Science

Ken Forbus
Qualitative Reasoning Group
Northwestern University
http://www.cs.northwestern.edu/~forbus/

Abstract: One of the original motivations for qualitative modeling was to provide a account of human reasoning about physical systems. This talk explores how progress in qualitative modeling can be used to capture aspects of everyday human reasoning. Examples will include learning spatial prepositions from sketches and work in progress with psychologists and anthropologists examining the mental models of nature across different cultural groups.