



CrystalWeb

“Crystals you can play with!”

Interactive Crystallography Website Project Proposal

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Abstract

The CrystalWeb website will serve as an educational tool for students learning about crystals and as a database resource for people seeking information about specific crystal structures. Since three-dimensional crystal structures are generally difficult to visualize in two-dimensional space, interactive applets allow users to manipulate crystals on the web. These applets will come from AtomicControl software designed for this project and distributed through the website as well. In addition, because few online databases provide user-friendly online resources for crystal structures, a user-friendly database will be created to compile information about crystals for research purposes. Ultimately, CrystalWeb will provide students and researchers the tools that they need in school and in research. The web interface makes these goals possible on a global scale while promoting interest in the fields of crystallography and materials science.