

RoadMap: display of surface properties of a macromolecule.

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Abstract

RoadMap can use a variety of projections to map the van der Waal's or solvent accessible surface of a macromolecule onto a plane. It creates a PostScript file showing the boundaries of each residue that can be printed or displayed on a workstation with a PostScript interpreter. Onto the map the user can overlay properties such as the surface topography, sequence conservation, hydrophobicity, atomic solvation or any other user-defined parameter, using a combination of contouring, black-and-white shading, and coloring. The map can be annotated.

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