

Dedicated to Professor Iulian Coroian on his 60th anniversary.

A CONTOUR TRACE ALGORITHM

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Abstract.

Contour maps represent a typical mode of display spatial relationships not only in geology, but in many other fields when the distribution of a property over space is investigated. Computer contouring has many advantages. All the main aspects of contouring are discussed. A contour following algorithm is given. It was implemented in ZAZA, a general-purpose surface modeling software.

Keywords: contouring, grid, algorithm, grid scan techniques, contour following techniques, continuous tracing, software implementation.