

# **Three-dimensional Reconstruction: Part I: Applications and techniques**

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摘要

## **Abstract**

Three-dimensional reconstruction of cross-sectional imaging data is gaining increasing acceptance by clinicians. Some applications have been introduced in routine imaging. These applications are summarised and discussed. In order to yield a three-dimensional rendered image several steps such as preprocessing, segmentation, interpolation and rendering are necessary, and various modifications of each step are possible. The technical possibilities in each step are summarised and described.