

Title (en)

3-D SHAPE MEASUREMENTS USING STATISTICAL CURVATURE ANALYSIS

Title (de)

3D FORMMESSUNG MIT HILFE EINER STATISTISCHEN ANALYSE DER KRÜMMUNG

Title (fr)

MESURE DE FORMES TRIDIMENSIONNELLES AU MOYEN D'UNE ANALYSE DE COURBURE STATISTIQUE

Publication

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Application

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Abstract (en)

[origin: WO0052629A1] A three dimensional curvature algorithm (fig. 1) using linear regression for modeling biological matter. A three dimensional representation of a structure is obtained by scanning the matter. Selected regions of the scanned structure are assigned numerical values. A number of curvature measurements are calculated based on vertices. Linear regression analysis is used to obtain a coefficient of regression for all curvatures. Variance inflation factors are calculated for the curvature measurements. Multiple regressions are performed to obtain a best fit model.

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IPC 8 full level

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