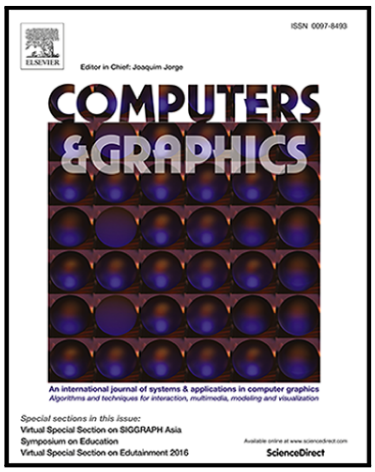
Accepted Manuscript



Reconstruction of underlying surfaces from scanned data using lines of curvature

Shoichi Tsuchie

PII: S0097-8493(17)30150-4
DOI: 10.1016/j.cag.2017.08.015
Reference: CAG 2859

To appear in: *Computers & Graphics*

Received date: 17 May 2017
Revised date: 18 August 2017
Accepted date: 22 August 2017

Please cite this article as: Shoichi Tsuchie, Reconstruction of underlying surfaces from scanned data using lines of curvature, *Computers & Graphics* (2017), doi: 10.1016/j.cag.2017.08.015

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- We generated bidirectional boundary curves using a family of curves for reconstructing the surface.
- We forced the trajectory of a point on the section curve to approach the line of curvature with less torsion of the surface to be generated.
- We generated high-quality surfaces having a natural curvature flow.

ACCEPTED MANUSCRIPT

Download English Version:

https://daneshyari.com/en/article/4952835

Download Persian Version:

https://daneshyari.com/article/4952835

Daneshyari.com