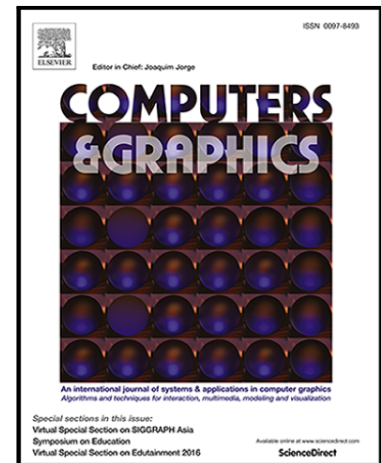


Accepted Manuscript

Hybrid geometry / topology based mesh segmentation for Reverse Engineering

Daniel Mejia, Oscar Ruiz-Salguero, Jairo R. Sánchez, Jorge Posada, Aitor Moreno, Carlos A. Cadavid

PII: S0097-8493(18)30037-2
DOI: [10.1016/j.cag.2018.03.004](https://doi.org/10.1016/j.cag.2018.03.004)
Reference: CAG 2921



To appear in: *Computers & Graphics*

Received date: 10 July 2017
Revised date: 15 March 2018
Accepted date: 16 March 2018

Please cite this article as: Daniel Mejia, Oscar Ruiz-Salguero, Jairo R. Sánchez, Jorge Posada, Aitor Moreno, Carlos A. Cadavid, Hybrid geometry / topology based mesh segmentation for Reverse Engineering, *Computers & Graphics* (2018), doi: [10.1016/j.cag.2018.03.004](https://doi.org/10.1016/j.cag.2018.03.004)

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.

Highlights

- We present an automatic geometry/topology segmentation algorithm
- It requires far less parameters than state-of-the-art techniques
- The algorithm produces fully parameterizable and functional partitions from scanned triangular meshes
- It avoids over-segmentation by temperature-based merging the small sub-meshes

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6876781>

Download Persian Version:

<https://daneshyari.com/article/6876781>

[Daneshyari.com](https://daneshyari.com)