



BRL-CAD Tutorial Series: Volume III - Principles of Effective Modeling

By Lee A Butler

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 82 pages. Dimensions: 11.0in. x 8.5in. x 0.2in. Since 1979, the U. S. Army Research Laboratory (ARL) has been developing and distributing the U. S. Army Ballistic Research Laboratory - Computer-Aided Design (BRL-CAD) constructive solid geometry (CSG) modeling package for a wide range of military and industrial applications. The package includes a large collection of tools and utilities including an interactive geometry editor, ray tracing and generic frame buffer libraries, network-distributed image processing signal-processing capabilities, and an embedded scripting language. As part of this effort, a multivolume tutorial series is under development to assist users with the many features of the BRL-CAD package. Volume I provides an overview of the package contents and installation (Butler and Edwards, 2002). Volume II addresses the basic features and functionality of the packages Multi-Device Geometry Editor (MGED) and offers a comprehensive list of the user commands available (Butler et al. , 2001). The purpose of Volume III is to discuss the components of the modeling process and suggest principles for maximizing the effectiveness of BRL-CADs capabilities. Because of the large diversity in modeling projects, these principles have largely been kept...



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