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Parametric Building Design Using Autodesk Maya

By Ming Tang

Taylor & Francis Ltd. Paperback. Book Condition: new. BRAND NEW, Parametric Building Design Using Autodesk Maya, Ming Tang, Due to its comprehensive tool-set and great potential for 3D modeling, more and more architectural design and interior design firms are adapting Autodesk Maya and integrating it into their practice. There has been no book aimed at architects and designers who wish to harness the opportunities presented by this software, until now. The book promotes parametric design. It integrates the theoretical research of computational design and Maya non-linear modeling techniques associated with simulation, animation, digital fabrication and form-finding within 2D & 3D design. Readers will learn: * How to use Maya polygon and NURBS modeling tools to create non-linear procedural model. * How to use Maya driver keys and relationship tools to generate parametrically negotiable solutions across various design professions. * The design logic and generative processes, as well as the potential of parametric thinking as a resourceful tool for achieving diversity and complexity in form generation and fabrication. * How to use Maya to prepare files for rapid prototyping and the integration of Maya into various fabrication techniques such as laser cutting, CNC milling, and 3D printing. * How to create a...



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