Automapki Autoconverter v2.2.7

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Automapki Autoconverter:

Autoconverter is a versatile tool for importing, exporting, and converting a wide range of 3D mesh and solid file formats. It supports numerous file extensions, including popular formats like 3DM (Rhinoceros), 3DS (3D-Studio), FBX (Filmbox), OBJ (Alias Wavefront), STL (STereo-Lithography), STEP (STandardized Exchange of Product), GLTF (GL Transmission), and USD (Universal Scene Description). Additionally, it handles various specialized formats such as IFC (Industry Foundation Classes), KML (Keyhole Markup), and PLY (Stanford Polygon). The tool also extends support to image-based formats like PNG, JPEG, and BMP, offering broad compatibility for 3D modeling, design, and manufacturing workflows.

Import

- **3D Model Formats:** 3DM, 3DS, 3MF, BLEND, DAE, FBX, GLTF, OBJ, SKP, STEP, STL, USD, and more.
- **Specialized Formats:** DXF, IGES, IFC, KML, KMZ, BREP, VRML, and X3D.
- **Image Formats:** PNG, BMP, GIF, JPEG.

Export

Supports exporting to popular 3D file formats, including:

- **3D Model Formats:** 3DM, 3DS, GLTF, FBX, OBJ, STEP, STL, USD, SKP, and more.
- **Other Formats:** PNG, BMP, GIF, JPEG.

Mesh Editing

- Smooth and unify vertex normals.
- Invert facets.
- Automatically fill mesh holes to fix and heal 3D geometry.

Analysis Tools

- Calculate mass, centroid, moments of inertia, radius of gyration, and principal moments.

File Versioning

- Save files in specified versions for formats such as SKP, FBX, IFC, STEP, Rhino 3DM, and GLTF.

Material and Texture Support

- Supports material texture images for OBJ, 3DS, DAE, 3DM, FBX, 3MF, X3D, U3D, VRML, USD, SKP, and more.

Component Instance Support

- Recognizes and handles component instances for formats like JSON, 3DS, IFC, GLTF, DAE, 3DM, USD, SKP, and STEP.

Batch Processing

- Command-line support for batch conversion of multiple 3D file formats simultaneously.

This feature set highlights versatile 3D file format support, robust mesh editing capabilities, and efficient batch conversion functionality.

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