CAID Currents: The State of CAID Art

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With CDRS Version 6, managing design from ideation to reality just got easier. Because of superior face geometry, CDRS allows the designer to manage change continuously throughout engineering and manufacturing. Without compromising the productivity of a design-oriented workspace. Which means curves that capture the subtle nuances of shape. Surfaces that are both visually perfect and mathematically precise. And efficient data exchange that is essential for rapid prototyping and tooling. Plus, the image rendering power to give your design ideas an unmistakable reality.

For a demonstration that will change the way you look at CAID, contact Evans & Sutherland today.

1-800-874-CDRS.
Let's analyze the image content. The text is discussing CAD (Computer-Aided Design) software and its capabilities. The text mentions various aspects of CAD, such as modeling techniques, rendering, and software features. The text also includes some technical terms and acronyms related to CAD software.

**Basic Design Features**
- Alias Research
- EDS - Electronic Data Systems
- Integraph
- Computer Design, Inc.
- Unigraphics
- Parametric Systems

**Particular Strengths**
- Alias Research
- EDS
- Integraph
- Computer Design, Inc.
- Unigraphics
- Parametric Systems

**Variations in Design**
- Designers can choose from various software packages to suit their needs. Each package offers different features and capabilities.

**Rendering**
- Ray-tracing
- Intersecting objects
- Rendering glitches
- Ray-tracing process

**Surface Features**
- B-Splines
- NURBS
- Surface continuity
- Rendering features

**Solid Modeling**
- Solid modeling tools are essential for creating 3D models.

**Conclusion**
- The choice of CAD software depends on the specific needs and preferences of the designer.

**Data and Figures**
- The text includes tables and figures that illustrate the capabilities of different CAD software packages.

The text provides a comprehensive overview of the capabilities and features of various CAD software packages. It highlights the importance of choosing the right software for the specific design needs, whether it's for industrial design, architecture, or other fields. The text also emphasizes the importance of rendering and surface modeling in creating realistic and accurate designs.
Make Sure You Can Exchange Data

At some point, designers have to exchange data. Sometimes the two systems are the same, but the data isn’t. It can be frustrating if you already have invested lots of energy in a system and then find yourself in a different environment. But it doesn’t have to be. There are solutions out there to help you get your data from one system to another. Here are a few you might consider. 

- CAD: Molecules and Molecules have created a vector translator for Macintosh, Windows, and UNIX environments. They also have a translator for HPGL, which is commonly used for plotter output. 

- AutoCAD: AutoCAD users can use AutoCAD’s built-in translator to exchange data with other programs. The translator is easy to use and can handle most common CAD file formats. 

- Other systems: There are also translators available for other systems, such as Ingersoll-Rand, which has a translator for its PLT file format. This translator can handle most common CAD file formats and can be used with most CAD systems.

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