

OpenCASCADE(1)

研发

OCAF 框架 (Open CASCADE Application Framework)

Development tasks	Comments	Without OCAF	With OCAF
Creation of geometry	Algorithm Calling the modeling libraries	To be created by the user	To be created by the user
Data organization	Including specific attributes and modeling process	To be created by the user	Simplified
Saving data in a file	Notion of document	To be created by the user	Provided
Document-view management		To be created by the user	Provided
Application infrastructure	New, Open, Close, Save and Save As File menus	To be created by the user	Provided
Undo-Redo	Robust, multi-level	To be created by the user	Provided
Application-specific dialog boxes		To be created by the user	To be created by the user

模型数据

- TDF_Attribute
- TDF_Label

- Tree Structure

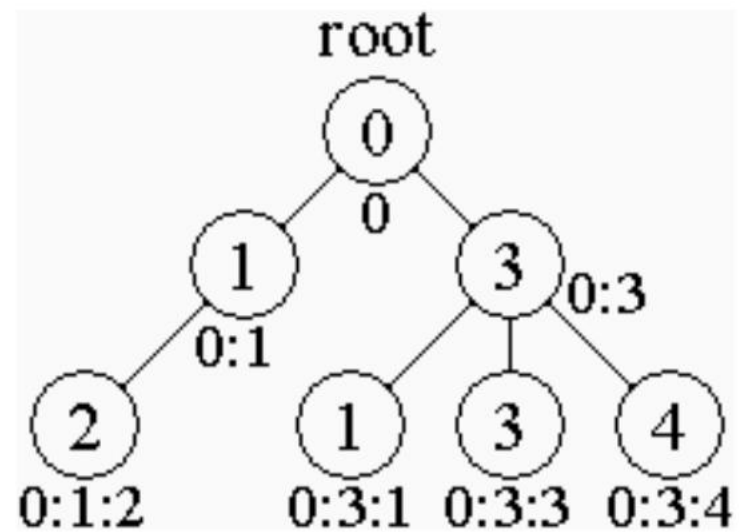


Figure 4: A simple framework model

Attribute

1.2.3 Attribute

Application data is described by **Attributes**, which are instances of classes derived from the *Attribute* abstract class, organized according to the OCAF Data Framework.

The [OCAF Data Framework](#) references aggregations of attributes using persistent identifiers in a single hierarchy. A wide range of attributes come with OCAF, including:

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布尔运算

- 并, 差, 交
- BRepAlgoAPI_Fuse
- BRepAlgoAPI_Cut
- BRepAlgoAPI_Common

- BRepAlgoAPI_Sew
- BRepAlgoAPI_Chop

STEP文件格式

- [一篇文章了解STEP格式](#)
- [STEP关键字](#)

*.BREP格式

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Q&A