

PROCEDURAL MODELS

Overview:

Using a procedural modeling application such as Onyx Computing's "Tree Professional", botanically correct tree representations can be generated as either 2D bitmaps or three dimensional geometry in a variety of file formats. The two-dimensional image files can be used as materials at rendering time or can be used in digital collage or montages. The three-dimensional geometry can be imported in modeling applications and can receive material definitions. The "Tree Professional" application allows the modeler to adjust plant structure according to characteristics of Trunk, Bough, Branch and Leaf and Color. Precise manipulation requires familiarity with species characteristics, these characteristics are saved in a library of Tree Parameters and can be recalled at any time. "Tree Professional" comes with an extensive library of tree parameter files, that describe trees at various stages of maturity and seasonal habit.

Requirements:

"Tree Professional" by Onyx Computing, or equivalent tree-generation software.

Tree Parameter File: Provided with the "Tree Professional" software, or from other source

Objectives:

The objectives of this tutorial is to identify features of the interface that aid in the development of botanically correct tree species in two and three dimensions.

