List of Figures

Figure i Building an Application with Silicon Graphics Software xi
Figure 1-1 Driver Position in the Kernel 7
Figure 1-2 Component Hierarchy of an IRIX Application Program 9
Figure 2-1 Documentation for Developers 12
Figure 3-1 Using Power C to Produce a Parallelized Program 25
Figure 3-2 Using PFA to Produce a Parallelized Program 26
Figure 4-1 Hierarchy of User Interface Toolkits 31
Figure 4-2 IRIS ViewKit in the Developer Environment 32
Figure 4-3 A Portion of the IRIS ViewKit Class Hierarchy 33
Figure 5-1 Using *prof* to Obtain pc Sampling Information 42
Figure 5-2 Using *pixie* to Collect Basic Block Counts 43
Figure 5-3 Using *cord* to Rearrange Procedures 44
Figure 5-4 An Example of a CASEVision User Interface 46
Figure 6-1 Using the Lighting Feature of OpenGL 53
Figure 6-2 Using the Texture-Mapping Feature of OpenGL 53
Figure 6-3 A Scene Created by Open Inventor 54
Figure 6-4 Open Inventor Architecture 55
Figure 6-5 IRIS GL in the Developer Environment 57
Figure 6-6 IRIS Performer Library Hierarchy 58
Figure 6-7 A Display Created by ImageVision Library 60
Figure 6-8 Using the ImageVision Library to Transform an Image 61
Figure 6-9 A Simple ImageVision Library Application 61
Figure 6-10 Architecture of an ImageVision Library Application 62
Figure 6-11 Interaction of Digital Audio System Components 65
Figure 6-12 Interface to the Spooling System 68