Acknowledgements

I would like to thank my supervisor Dr. Jim Garside for many helpful discussions during the course of this research and for proof reading this thesis.

I would also like to thank all members of the Advanced Interfaces Group for their help during the course of this research.

Thanks are also due to:

CADCentre for the use of their software during this research.

Paul Webster for many hours of discussion and for proof reading this thesis.

David Oldcorn for generating the images used in Figure 3.4.

Division Ltd. for permission to include pictures of a number of the models from their dVs system. These figures are Figure 5.4 and Figure 5.5 on page 95.

Chris Harris of 3DLabs for supplying Figure 6.4 on page 155 and answering many of my questions about the GLiNT™ graphics processor.

Ronald Azuma, Jonathan Cohen, David Ellsworth, Nick England, Anselmo Lastra, and Jon Leech of the University of North Carolina, for information on the Pixel-Planes, and PixelFlow systems and many of their other research projects.

Jim Helman of Silicon Graphics for information on the Performer library.