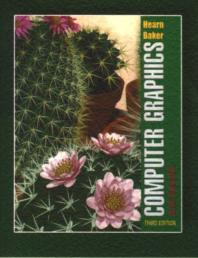


计算机图形学

(第三版)

Computer Graphics with OpenGL

Third Edition



[美] Donald Hearn 著
M. Pauline Baker

蔡士杰 宋继强 蔡 敏 译 蔡士杰 审校



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内容简介

本书是一本内容丰富、取材新颖的计算机图形学著作,并在其前一版的基础上进行了全面扩充,增加了许多新的内容,覆盖了近年来计算机图形学的最新发展与成就。全书层次分明、重点突出,并附有使用OpenGL编写的大量程序以及各种效果图,是一本难得的优秀教材。

本书共分为15章,全面系统地讲解了计算机图形学的基本概念和相关技术。作者首先对计算机图形学进行综述;然后讲解二维图形的对象表示、算法和应用,以及三维图形的相关技术、建模和变换;接着介绍光照模型、颜色模型和动画技术。本书还新增了有关层次建模和图形文件格式的介绍,最后的附录给出了计算机图形学中用到的基本数学概念。

本书可作为信息技术等相关专业本科生和研究生的教材或参考书,也可作为计算机图形技术人员的参考资料。

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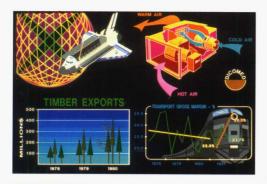


FIGURE 1-1

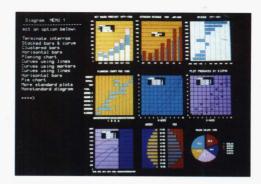
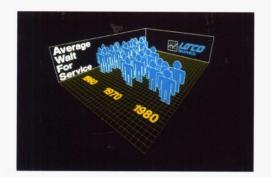


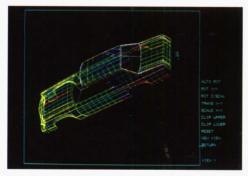
FIGURE 1-2



THE RISING SAME PARTY OF THE PROPERTY OF THE P

FIGURE 1-4

FIGURE 1-8



(a)

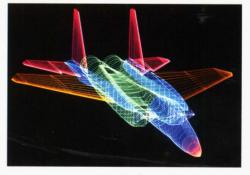
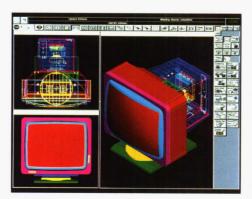


FIGURE 1-9





(a)



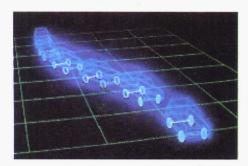


FIGURE 1-11



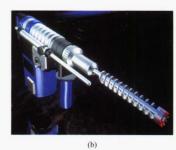


FIGURE 1-12



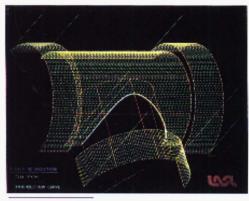


FIGURE 1-14







FIGURE 1-17 此为试读, 需要完整PDF请访问: www.ertongbook.com







FIGURE 1-20



FIGURE 1-21



FIGURE 1-22

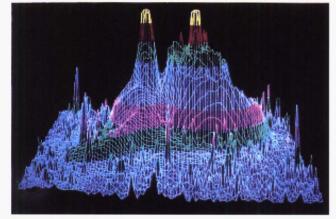


FIGURE 1-23



FIGURE 1-24



FIGURE 1-27

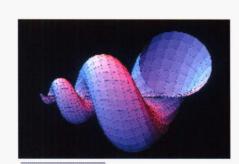


FIGURE 1-25



FIGURE 1-26



FIGURE 1-28

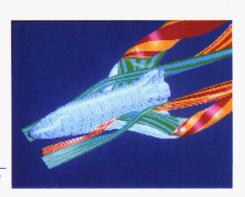


FIGURE 1-29



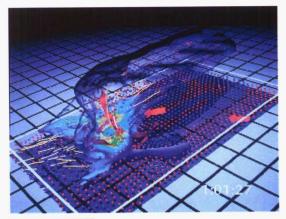


FIGURE 1-31

FIGURE 1-30



FIGURE 1-33

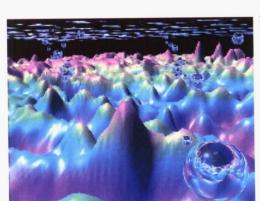


FIGURE 1-37

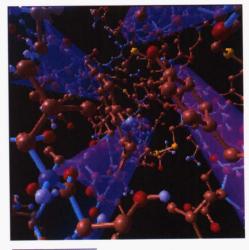


FIGURE 1-35

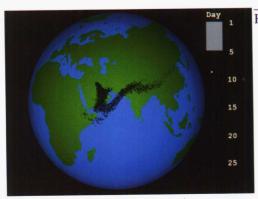


FIGURE 1-38



FIGURE 1-36



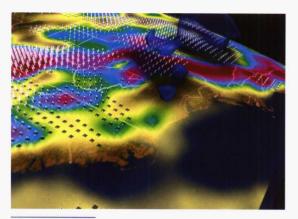


FIGURE 1-39



FIGURE 1-40

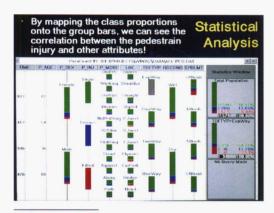


FIGURE 1-42

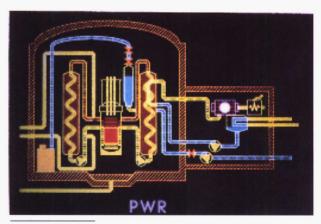
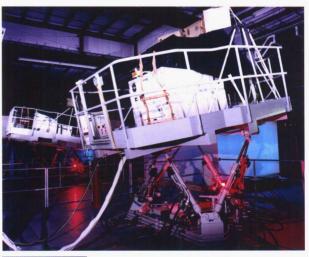


FIGURE 1-43



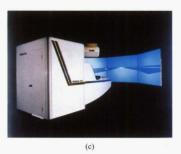
FIGURE 1-45







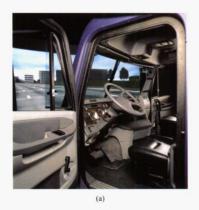




(a)

FIGURE 1-46







(b)

FIGURE 1-51





FIGURE 1-53



FIGURE 1-55



FIGURE 1-56





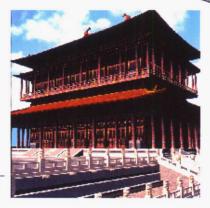


FIGURE 1-65







FIGURE 1-63





(b)

FIGURE 1-67



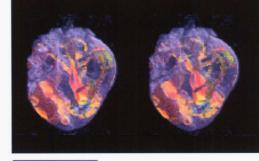


FIGURE 1-68

FIGURE 1-71





FIGURE 2-1



FIGURE 2-12



FIGURE 2-18



(b)



FIGURE 2-22





FIGURE 2-33



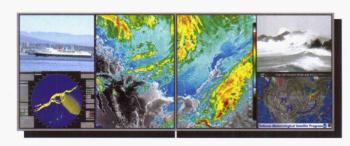


FIGURE 2-35



FIGURE 2-36





FIGURE 2-37





FIGURE 2-49



FIGURE 2-38



FIGURE 2-52



FIGURE 2-39







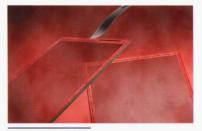


FIGURE 2-54



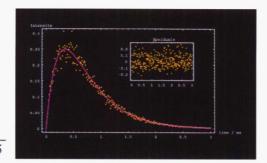


FIGURE 3-65

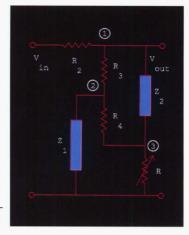


FIGURE 3-66



FIGURE 4-15



FIGURE 4-30



FIGURE 6-1

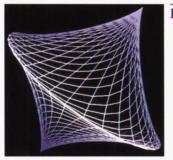


FIGURE 7-6



FIGURE 7-2



FIGURE 7-4

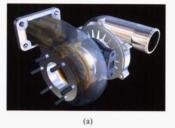


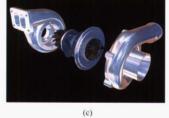


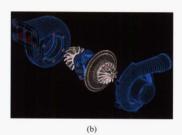




FIGURE 7-9







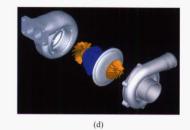


FIGURE 7-8



FIGURE 7-18

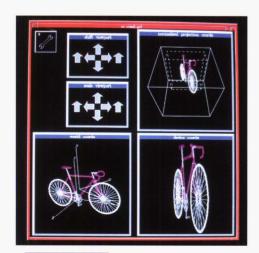


FIGURE 7-21

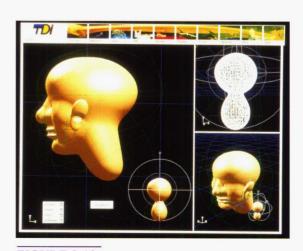


FIGURE 8-13



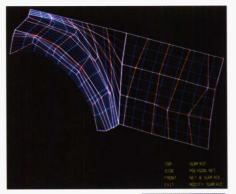


FIGURE 8-16



FIGURE 8-46



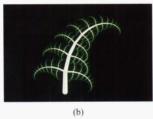


FIGURE 8-78





FIGURE 8-80



FIGURE 8-81



FIGURE 8-82









FIGURE 8-86



FIGURE 8-88





(b)

(c)

FIGURE 8-87



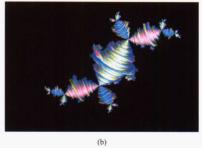


FIGURE 8-103

FIGURE 8-95



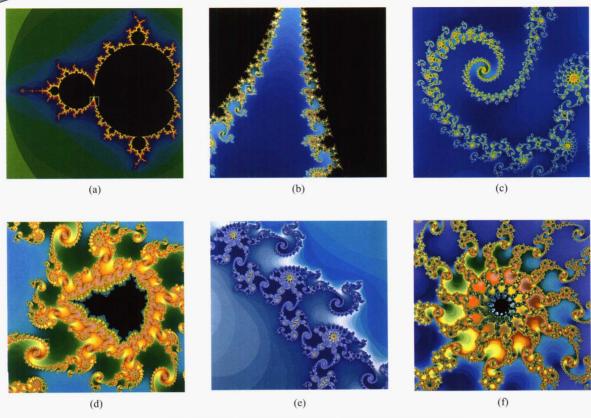


FIGURE 8-102

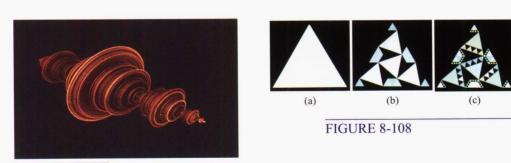
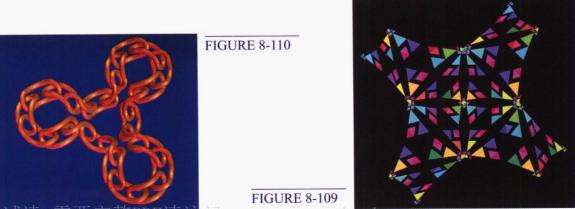


FIGURE 8-104



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