

<<传热学>>

图书基本信息

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作者：J.P.霍尔曼

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内容概要

《传热学(英文版·原书第10版)》是当今最流行的传热学入门教材之一，以简洁明了、容易入门以及包含有大量例题与习题而著称。

《传热学(英文版·原书第10版)》写作深入浅出，图文并茂，生动活泼，趣味性强，突出了以读者为主的写作思想。

《传热学(英文版·原书第10版)》体系完整，内容全面，包含了传热学学习中热传导、热对流、热辐射和换热器等各个重要方面。

通过百余道无固定答案的设计习题来强化设计训练。

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作者简介

作者：(美国)J.P.霍尔曼 (J.P.Holman)

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章节摘录

版权页：插图：A particular material may exhibit entirely different absorptance and transmittance properties for the two types of radiation. The classic example of this behavior is a greenhouse. Ordinary glass transmits radiation very readily at wavelengths below $2.5 \mu\text{m}$; thus it transmits the large part of solar radiation incident upon it. This glass, however, is essentially opaque to long-wavelength radiation above 3 or $4 \mu\text{m}$. Practically all the low-temperature radiation emitted by objects in the greenhouse is of such a long-wavelength character that it remains trapped in the greenhouse. Thus the glass allows much more radiation to come in than can escape, thereby producing the familiar heating effect. The solar radiation absorbed by objects in the greenhouse must eventually be dissipated to the surroundings by convection from the outside walls of the greenhouse.

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