



# Perturbation Methods for Engineers and Scientists

*By Alan W. Bush*

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## **Perturbation Methods for Engineers and Scientists** By Alan W. Bush

Perturbation Methods for Engineers and Scientists examines the main techniques of perturbation expansions applied to both differential equations and integral expressions. It describes several fluid dynamics applications, including aerofoils, boundary layers in momentum heat, and mass transfer. In addition, it applies the multiple scale technique to the description of surface roughness effects in lubrication. The book's intuitive, rather than formal, approach enables these advanced techniques to be used by scientists and engineers as well as by students.

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## **Editorial Review**

### **Review**

..."useful...accessible...I recommend it both to individual researchers in CFD and heat transfer and to academic staff who are looking for good course books in this area." -Applied Mathematical Modelling

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