

## **Part II**

# **Heat and Mass Transfer**

This second part of the book discusses the equations of change for the transport of heat and mass, i.e. the thermal energy equation and the continuity equation for a mixture component, and their analytical solutions. The problems are related to Part I of the book on fluid mechanics in that the fluid motion influences convective transport processes. All the flows involved are again laminar, and the fluids are incompressible and linear viscoelastic or Newtonian.