

1814



UNIVERSIDAD NACIONAL DE ENTRE RÍOS  
 FACULTAD DE INGENIERÍA  
 CENTRO DE MEDIOS  
 BIBLIOTECA

## CONTENTS

1. The diffusion equations	1
2. Methods of solution when the diffusion coefficient is constant	11
3. Infinite and semi-infinite media	28
4. Diffusion in a plane sheet	44
5. Diffusion in a cylinder	69
6. Diffusion in a sphere	89
7. Concentration-dependent diffusion: methods of solution	104
8. Numerical methods	137
9. Some calculated results for variable diffusion coefficients	160
10. The definition and measurement of diffusion coefficients	203
11. Non-Fickian diffusion	254
12. Diffusion in heterogeneous media	266
13. Moving boundaries	286
14. Diffusion and chemical reaction	326
15. Simultaneous diffusion of heat and moisture	352
Tables	375
References	399
Author index	407
Subject index	411