

Contents

1	Introduction	<i>G. F. Hewitt and J. C. Vassilicos</i>	page 1
2	Developments in the understanding and modelling of turbulence	<i>J. C. R. Hunt, N. D. Sandham, J. C. Vassilicos, B. E. Launder, P. A. Monkewitz and G. F. Hewitt</i>	5
3	RANS modelling of turbulent flows affected by buoyancy or stratification	<i>B. E. Launder</i>	50
4	Turbulent flames	<i>W. P. Jones</i>	128
5	Boundary layers under strong distortion: an experimentalist's view	<i>J. F. Morrison</i>	163
6	Turbulence simulation	<i>N. D. Sandham</i>	207
7	Computational modelling of multi-phase flows	<i>G. F. Hewitt and M. W. Reeks</i>	236
8	Guidelines and criteria for the use of turbulence models in complex flows	<i>J. C. R. Hunt and A. M. Savill</i>	291