

Index for Workbook 33

Boundary conditions _____	3, 12	Jacobi method _____	26
Boundary value problem _____	3	Laplace's equation _____	19, 27, 30, 34
Central difference approximation _____	4	Poisson's equation _____	19, 28, 31
Convergence of iterative methods _____	33	Stencil _____	3, 19
Derivative boundary condition _____	3, 12	Systems of equations _____	25
Electric wire _____	10	Temperature of wire _____	10
Elliptic PDEs _____	18-36	Three-point stencil _____	3
Fictitious values _____	12	EXERCISES	
Five-point stencil _____	19	14, 34	
Gauss-Seidel method _____	29		
Iterative methods			
- Gauss-Seidel _____	29		
- Jacobi _____	26		