

Boundary Element Method With Programming

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Preface.- Acknowledgements.- 1. Preliminaries.- 2. Programming.- 3. Discretisation and Interpolation.- 4. Material Modelling and Fundamental Solutions.- 5. Boundary Integral Equations.- 6. Boundary Element Methods Numerical Implementation.- 7. Assembly and Solution.- 8. Element-by-element techniques and Parallel Programming.- 9. Postprocessing.- 10. Test Examples.- 11. Multiple regions.- 12. Dealing with corners and changing geometry.- 13. Body Forces.- 14. Dynamic Analysis.- 15. Nonlinear Problems.- 16. Coupled Boundary Element/Finite Element Analysis.- 17. Industrial Applications.- 18. Advanced topics.- Appendix. EAN/ISBN : 9783211715765 Publisher(s): Springer, Berlin, Springer, Wien Discussed keywords: Randelementmethode Format: ePub/PDF Author(s): Beer, Gernot - Smith, Ian M. - Duenser, Christian

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