邊界元素法1998 作業集

- 1. Find a journal paper on BEM.
- 2. Derive a fundamental solution for a beam.
- 3. Derive the stiffness matrix for a rod.
- 4. Derive the mean theorem for Laplace equation using BEM.
- 5. Plot the potential functions for U, T, L and M kernels.
- 6. Check the constant potential and equilibrium condition by hand.
- 7. Check the constant potential and equilibrium condition by program.
- 8. Solve the problem of cracked bar by BEPO2D program.
- 9. Derive the free term for dual BIE in 3-D Laplace equation.
- 10. Solve the exterior and exterior problems by changing the elements.
- 11. Solve the exterior and exterior problems by changing the contour direction.
- 12. Solve the Laplace equation by using limiting process in DUALHAK program.
- 13. Solve the former three modes for a membrane with a stringer.
- 14. Solve the 2-D crack problems by using BEASY-CRACK program.
- 15. Solve the fictitious eigenvalue in one-dimensional exterior problems.
- 16. Filter out the spurious eigenvalues by using Least Square method.

■海大河工所陳正宗 邊界元素法 —————

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