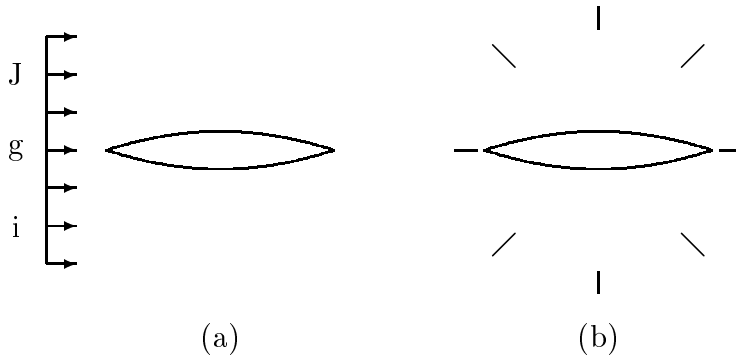


## 程式20 Exterior problem for sphere



Governing equation:

$$(\nabla^2 + k^2)u(x_1, x_2) = 0$$

Boundary condotions at the two circle boundaries:

$$\frac{\partial u}{\partial n} = 0$$

## References

- [1] J. T. Chen, K. H. Chen and C. T. Chen, 2002, Adaptive boundary element method of time-harmonic exterior acoustics problems in two-dimension, Computer Methods in Applied Mechanics and Engineering, Vol.191, pp.3331-3345, 2002. (SCI and EI)
- [2] J. T. Chen, K. H. Chen, I. L. Chen and L. W. Liu, 2003, A new concept of modal participation factor for numerical instability in the dual BEM for exterior acoustics, Mechanics Research Communications, Vol.26, No.2, pp.161-174. (SCI and EI)
- [3] J. T. Chen and S. R. Kuo, 2000, On fictitious frequencies using circulants for radiation problems of a cylinder, Mechanics Research Communications, Vol.27, No.1, pp.49-58. (SCI and EI)
- [4] J. T. Chen, C. T. Chen, K. H. Chen and I. L. Chen, 2000, On fictitious frequencies using dual bem for non-uniform radiation problems of a cylinder, Mechanics Research Communications, Vol.27, No.6, pp.685-690. (SCI and EI)