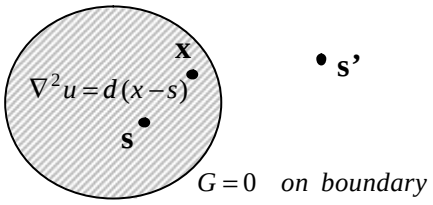
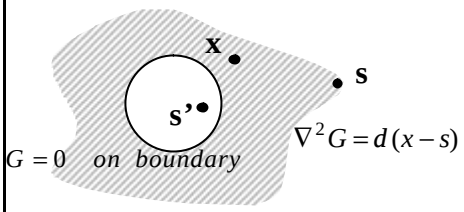
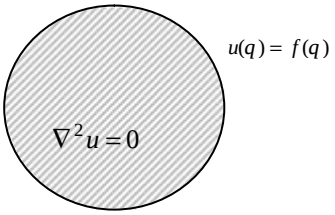
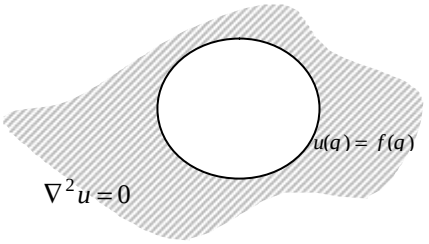
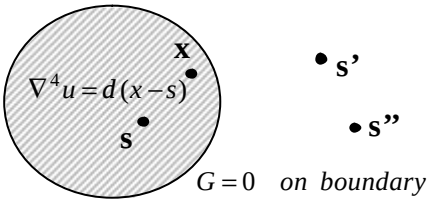
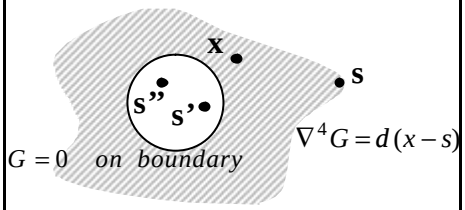
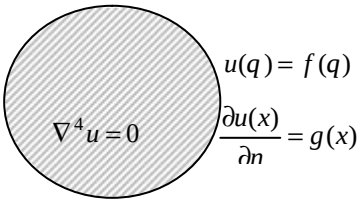
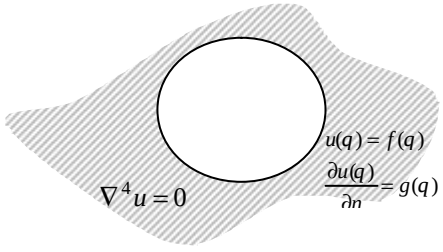
程式 84 Poisson integral formula for biharmonic operator

Harmonic operator

	Interior problem	Exterior problem
輔助系統		
Poisson integral formula	$u(r,f)=\frac{1}{2p}\int_0^{2p}\frac{a^2-r^2}{a^2+r^2-2ar\cos(f-q)}f(q)dq$	$u(r,f)=\frac{1}{2p}\int_0^{2p}\frac{r^2-a^2}{a^2+r^2-2ar\cos(f-q)}f(q)dq$
欲解系統		

Biharmonic operator

	Interior problem	Exterior problem
輔助系統		
Poisson integral formula		
欲解系統		

Reference:

1. Greenberg M. D., 1971, Application of Green's functions in science and engineering, Prentice-Hall.