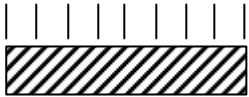
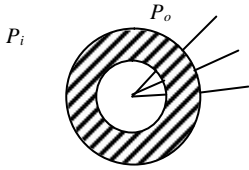
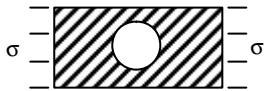
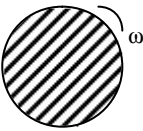
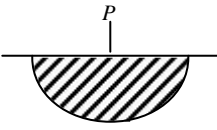



台灣海洋大學河海工程研究所彈性力學第八次作業 (Airy stress function)

1. Please fill in the following table.

Problem	Figure	Airy stress function $f(x,y)$, $f(r,q)$
Simple beam subject to uniform loading	 <p>A horizontal beam is shown with a series of vertical lines above it representing a uniformly distributed load. The beam is shaded with diagonal lines.</p>	
Lame solution	 <p>A thick-walled cylinder is shown in cross-section. The inner radius is labeled P_i and the outer radius is labeled P_o. The cylinder is shaded with diagonal lines.</p>	
Infinite plate with a hole subject to uniaxial stress	 <p>A rectangular plate with a central circular hole is shown. Horizontal arrows labeled σ indicate uniaxial stress applied to the plate. The plate is shaded with diagonal lines.</p>	
Rotating disk	 <p>A circular disk is shown with a curved arrow labeled ω indicating rotation. The disk is shaded with diagonal lines.</p>	
Flamant solution	 <p>A 2-D half plane is shown with a horizontal boundary. A vertical force P is applied downwards at the center of the boundary. The half plane below the boundary is shaded with diagonal lines. The text "2-D half plane" is written below the diagram.</p>	
A concentrated force at a wedge	 <p>A wedge is shown with a horizontal force P applied to its vertical face. The wedge is shaded with diagonal lines. The text "wedge" is written to the right of the diagram.</p>	