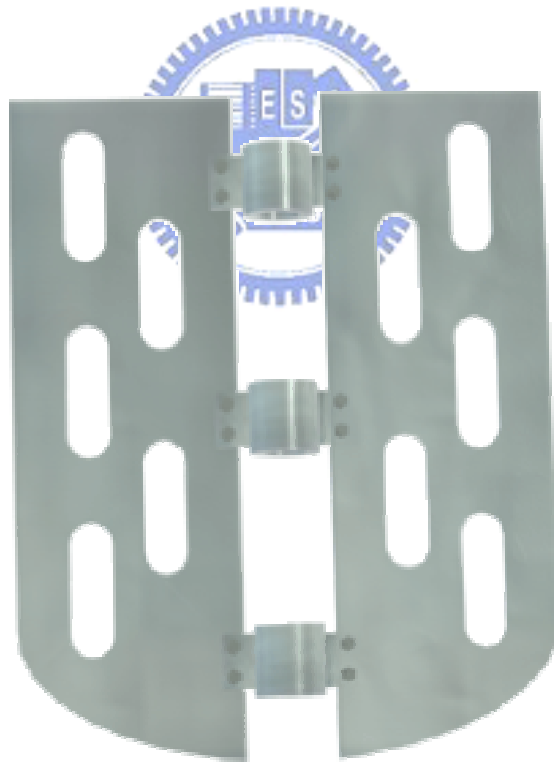


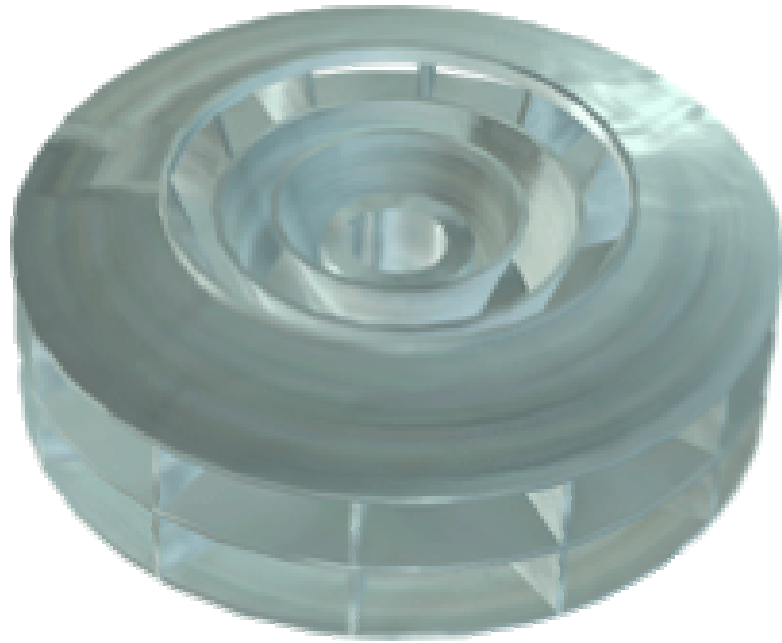


(a)

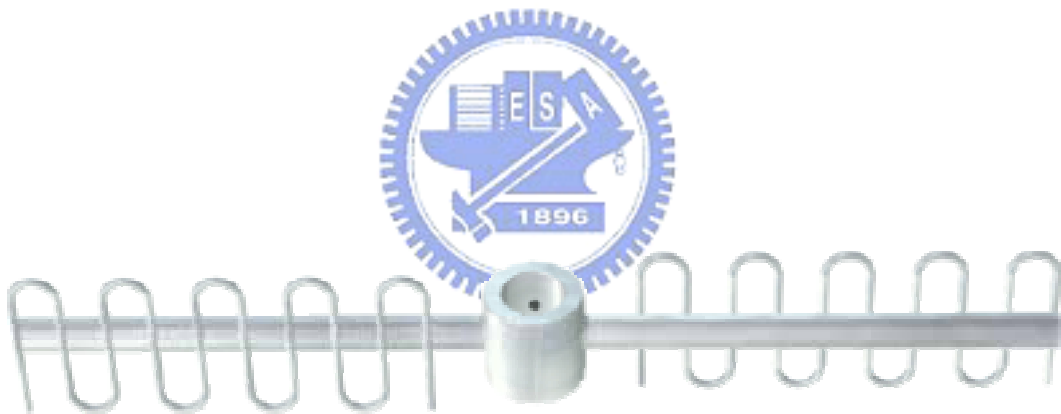


(b)

圖 1.1 框式攪拌器[1]: (a)錨框式，(b)板框式。



(a)

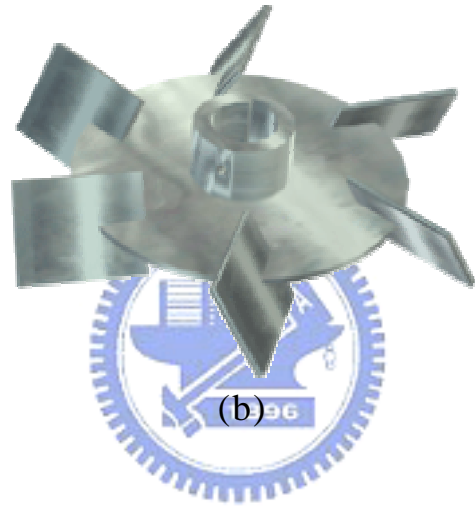


(b)

圖 1.2 消泡攪拌器[1]: (a)消泡葉輪，(b)消泡槳。



(a)



(b)



(c)

圖 1.3圓盤渦輪式攪拌器[1]: (a)平直葉圓盤渦輪式， (b)斜葉圓盤渦輪式， (c)彎葉圓盤渦輪式。

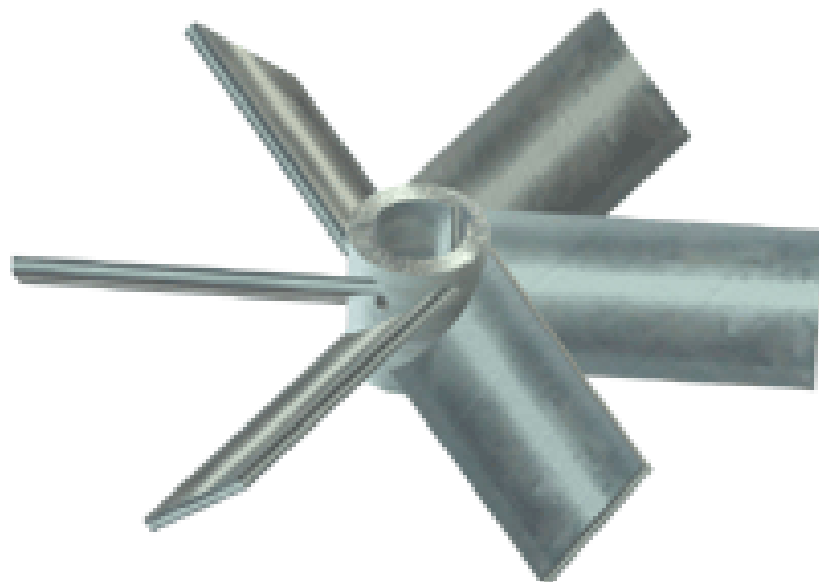


圖 1.4 斜葉渦輪式[1]

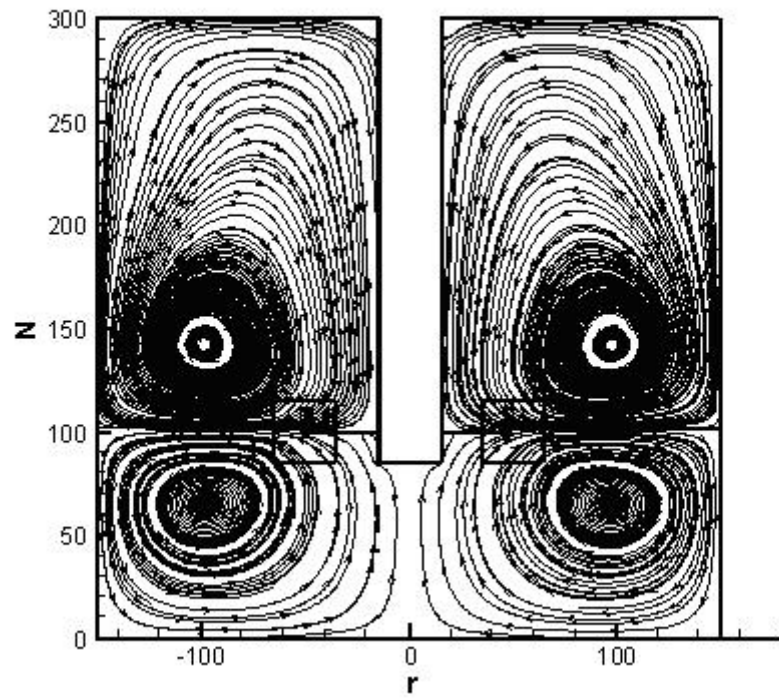


圖 1.5 徑流式流場

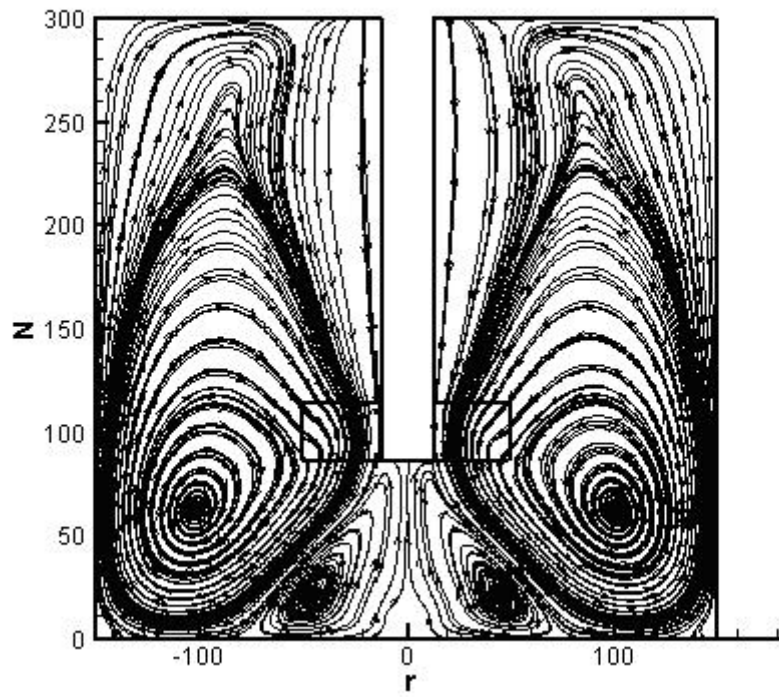


圖 1.6 軸流式流場

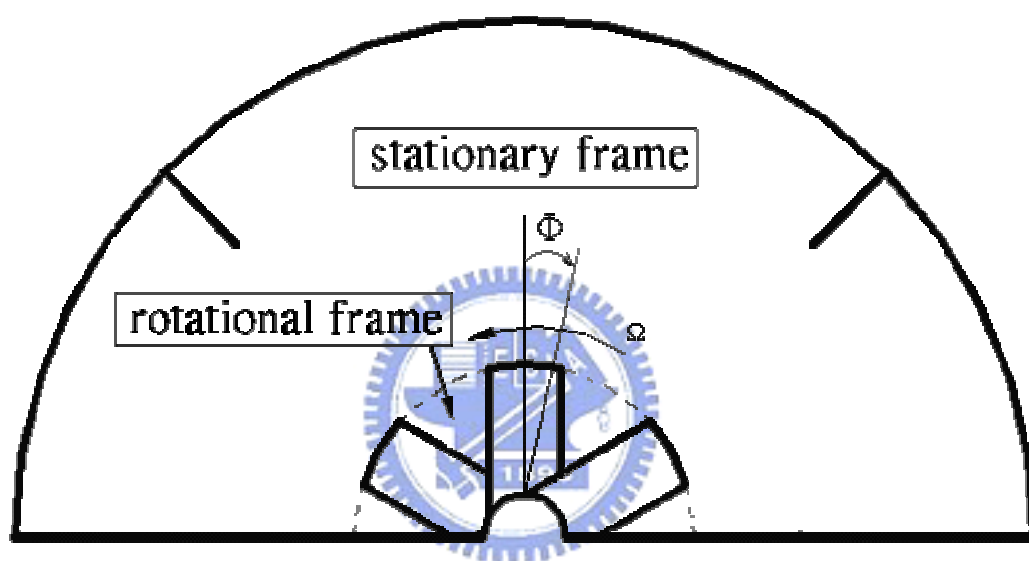


圖 2.1 靜止座標系與旋轉座標系

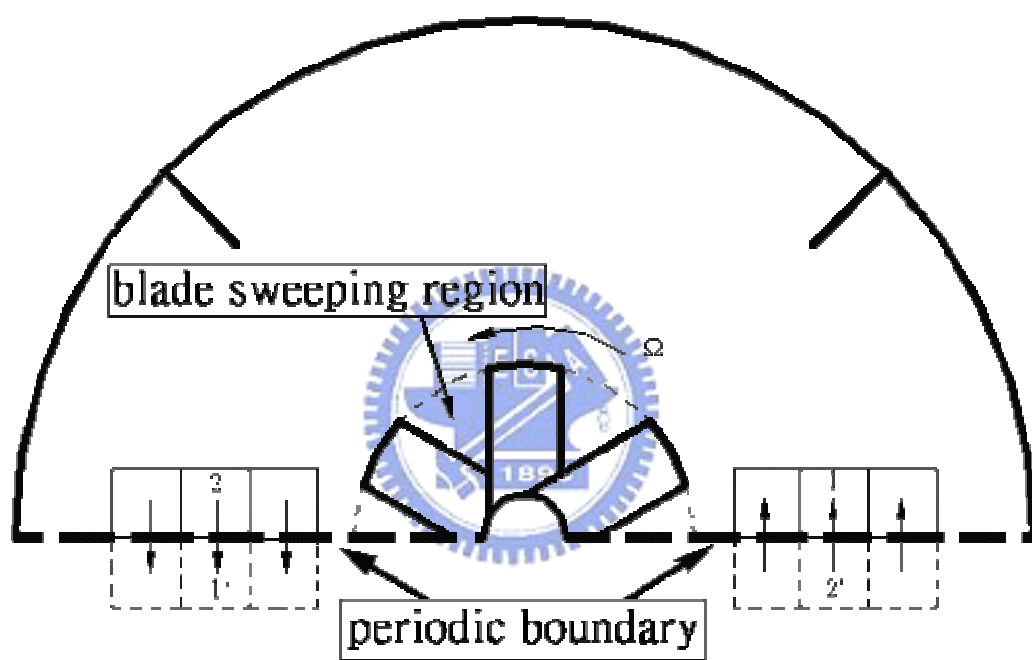


圖 2.2 週期性邊界示意圖



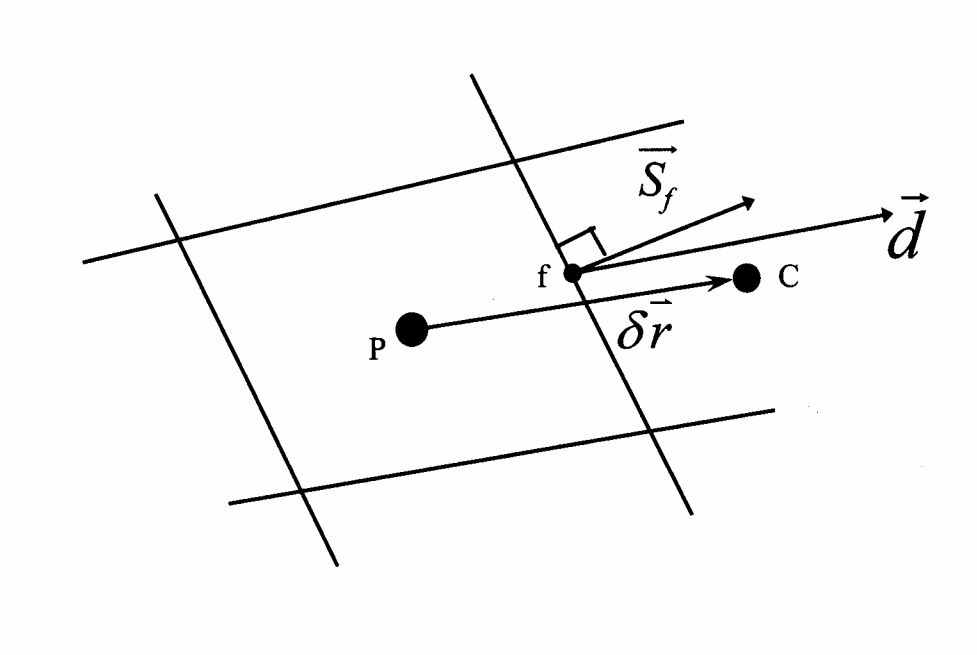


圖 3.1 over-relaxed approach 法

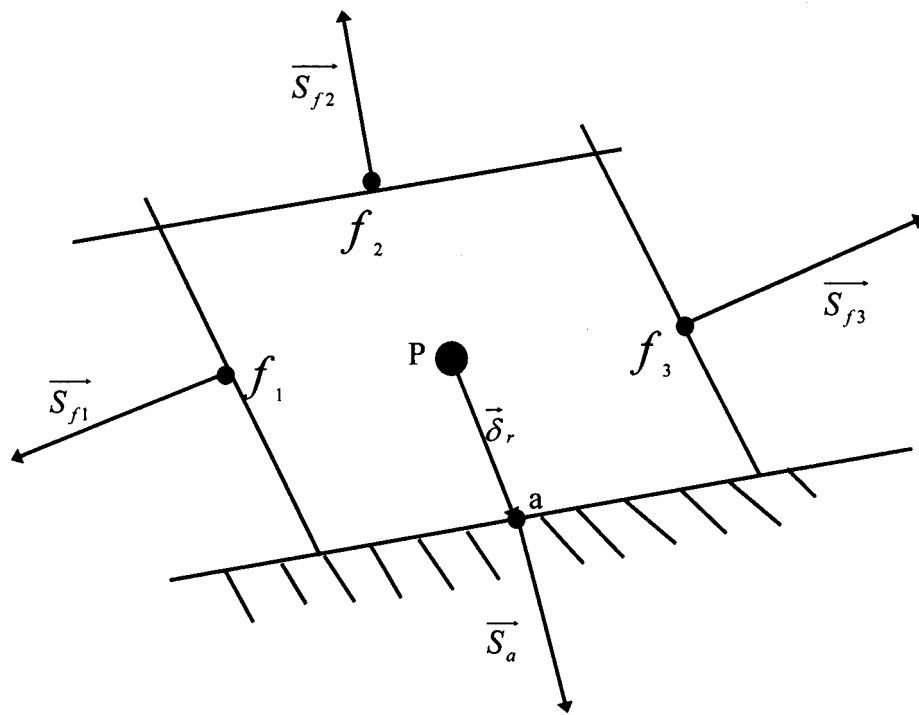


圖 3.2 計算邊界壓力示意圖

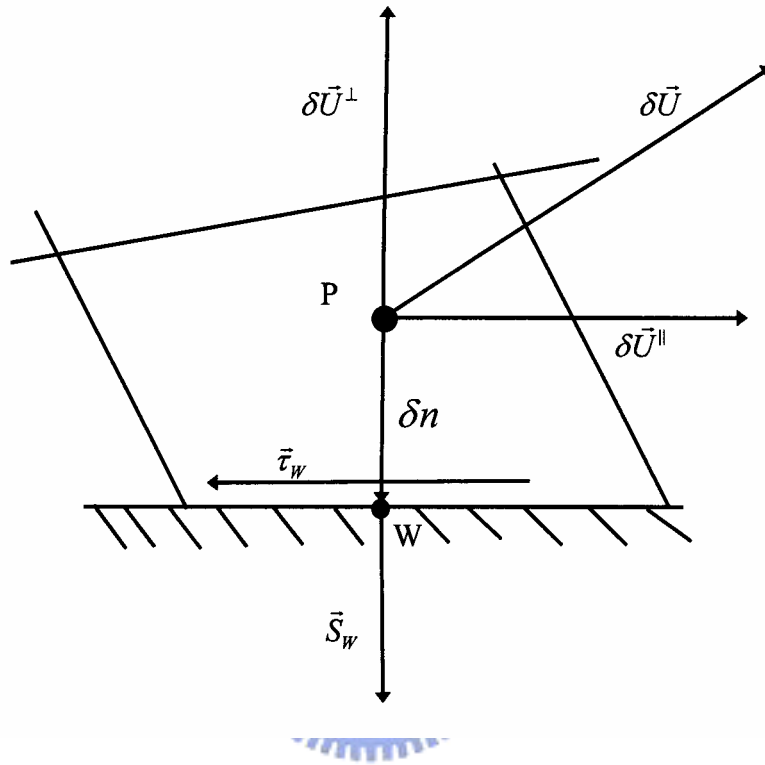
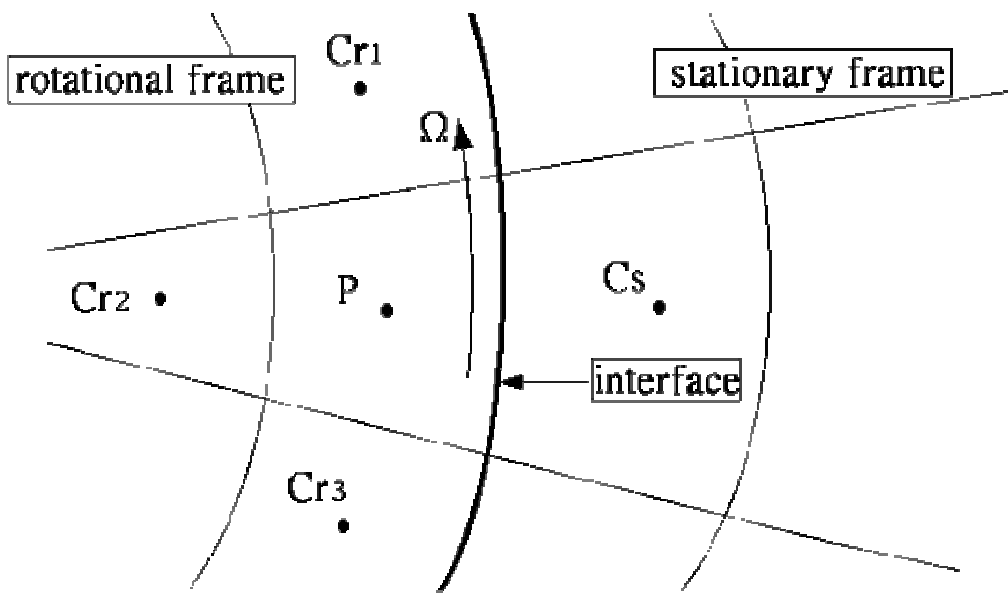
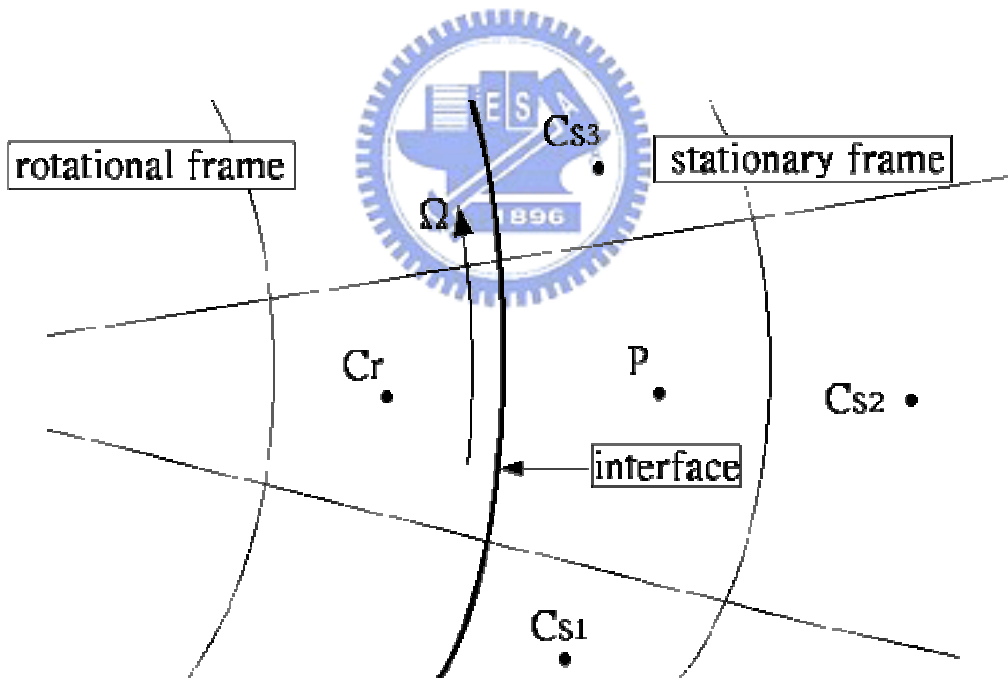


圖 3.3 計算壁面剪應力示意圖



(a) 格點位於旋轉座標系



(b) 格點位於靜止座標系

圖 3.4 格點位置示意圖