

### (EXAMPLE) [C-1-4]

Consider an airfoil model mounted in a subsonic wind tunnel. The test section airspeed is 70 mph, and the condition is the standard sea-level. If the pressure measured at a point on the airfoil (using a static pressure tap connected to a U-tube manometer) is 2,100 lb/ft<sup>2</sup>, what is the corresponding pressure coefficient?

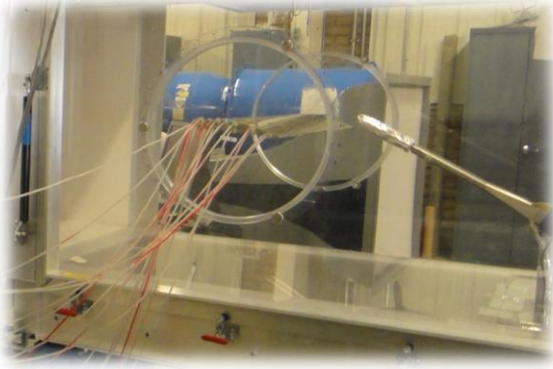
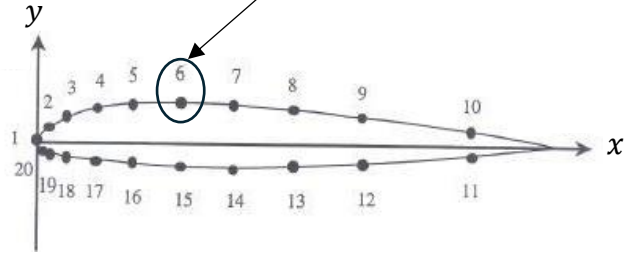


Photo of low-speed wind tunnel by Shigeo Hayashibara (ERAU Prescott Tracy Doryland Wind Tunnel Laboratory)



Lined area for notes, consisting of multiple horizontal dashed lines.