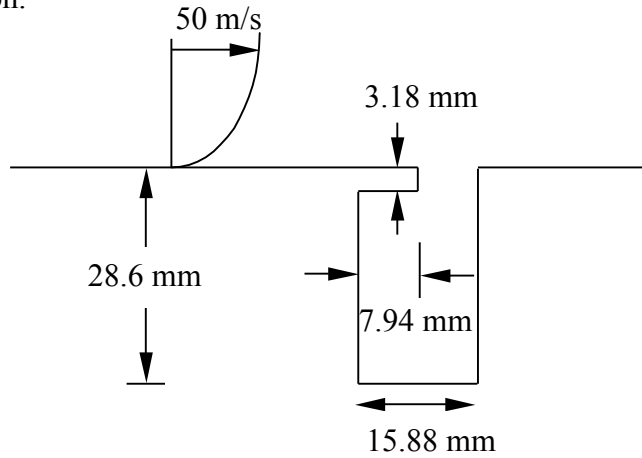


Air flows over the cavity shown below with a mean approach flow velocity of 50 m/s. The boundary layer that develops over the flat plate is turbulent with a thickness of 14 mm at the entrance to the cavity. Calculate the power spectra at the center of each cavity wall and the center of the cavity floor. Experimental data will be available for comparison.



Contributed by Brenda Henderson, email : b.s.henderson@larc.nasa.gov