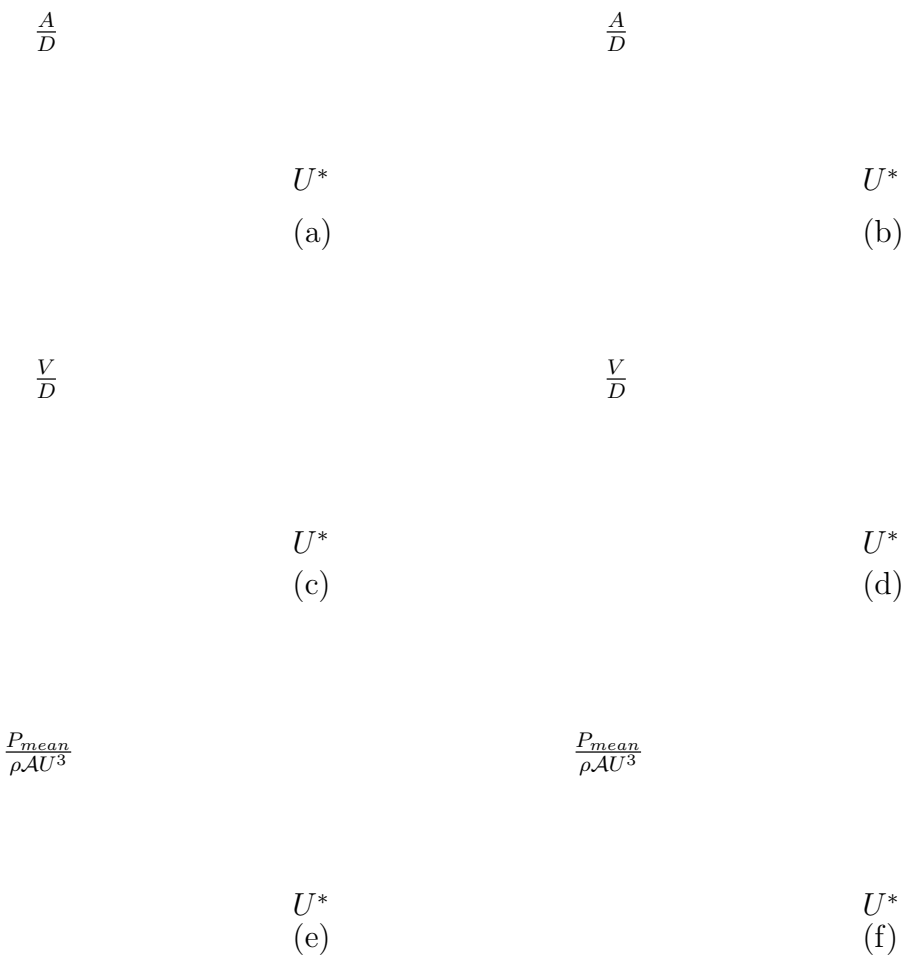

Figure 1: Velocity and displacement amplitude and mean power as a function of U^*. (a), (c) and (e) are calculated using input C_y data at Re=22300 obtained by and present data at three different damping ratios: $\zeta = 0.0125$ ($\ast$), $\zeta = 0.01$ ($\blacktriangledown$) and $\zeta = 0.015$ ($\bullet$) at Re=165 from the fixed body simulations and present data from three different damping ratios: $\zeta = 0.075$ ($\times$), $\zeta = 0.015$ ($\blacklozenge$) and $\zeta = 0.0175$ ($+$). The multiple branches for the higher Re are due to the hysteresis between two solutions.