ENGR 491

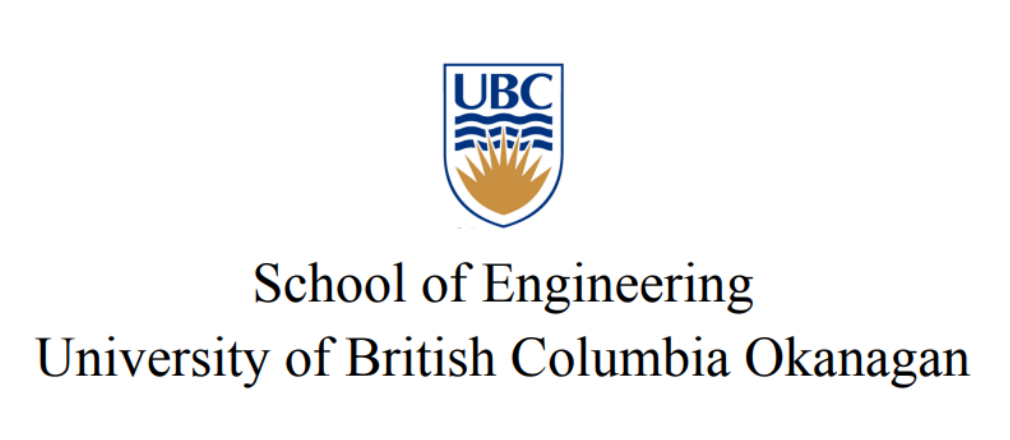
Software Exercise 5

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**Introduction**

**Results and Discussion**

**1)** From observations the computed results in x/h = 0 and x/h = 3, the three turbulence models SST, k-e, and k-w seem to achieve a similar accuracy when compared with the experimental data. The most accuracy turbulence model out of the three is k-e turbulence model because its results plot is the closest one to the experimental results plot. The turbulence model that achieved the worst accuracy is the Spalart-Allmaras turbulence model.

Figure 1&2: Computed and Experimental Results of Streamwise Velocity at the Normalized Distance x/h = 0 and x/h 3

**2)**