



Figure 23.1: Velocity profiles in a periodically oscillating idealised tidal flow recorded every eight tidal period (left) and time series of eddy viscosity at a height of 1.5 m above the bed computed with a small time step of $\Delta t = 1 \text{ s}$ (right). The tidal period is 44714 s (equivalent to the semi-diurnal lunar tide). Velocity profiles are shown every eighth tidal period.