

# Assignment 1

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## 1 Cauchy Kernal

In the first part of the assignment the vortex sheet is assumed to be a set of vortices. In order to show the evolution of the of the vortex sheet, plots were made at time instances 2s, 4s, 6s and 8s. The results were also analysed with respect to the number of vortices that were assumed. All results were simulated for 50, 100 and 200 vortices. The results obtained are shown below:

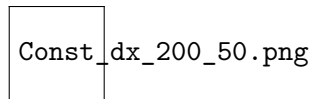


Figure 1: 50 vortices for 2s