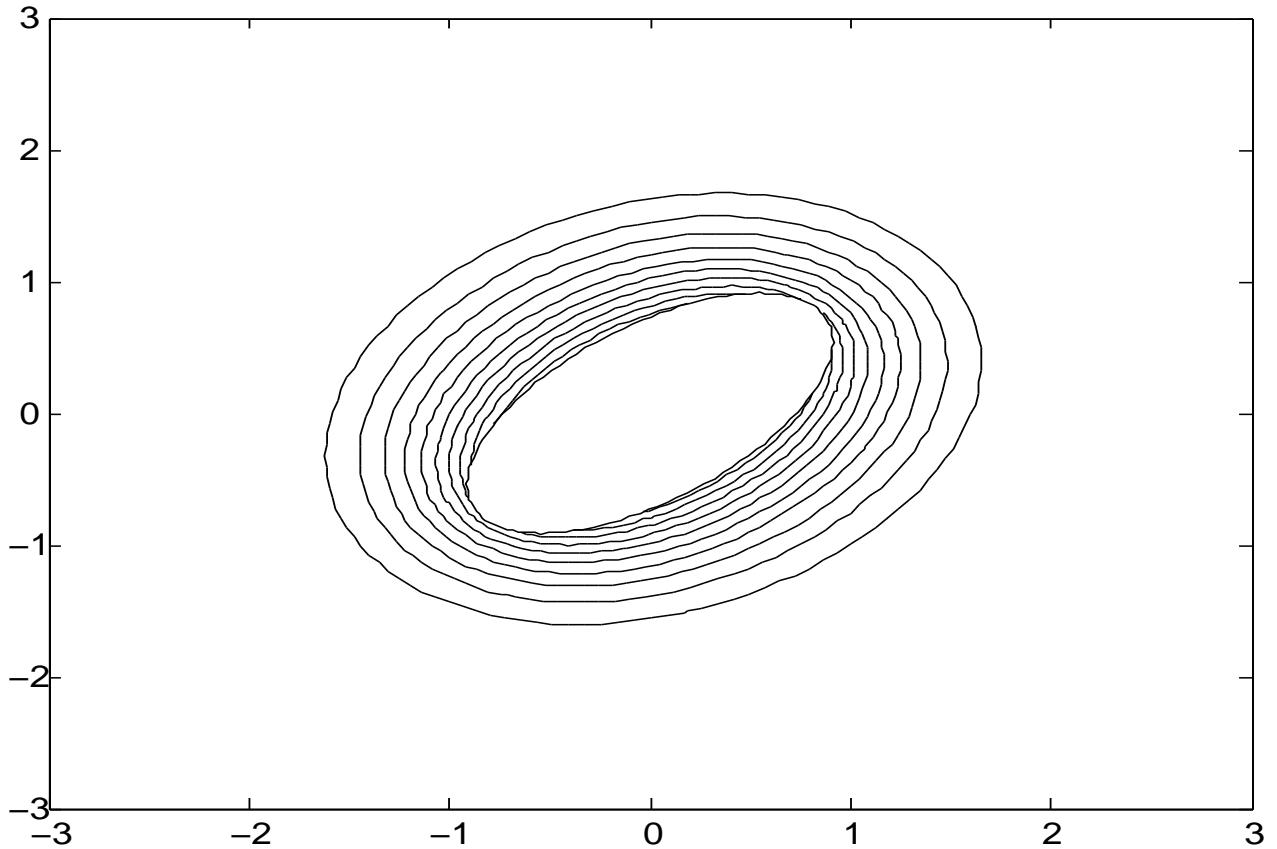
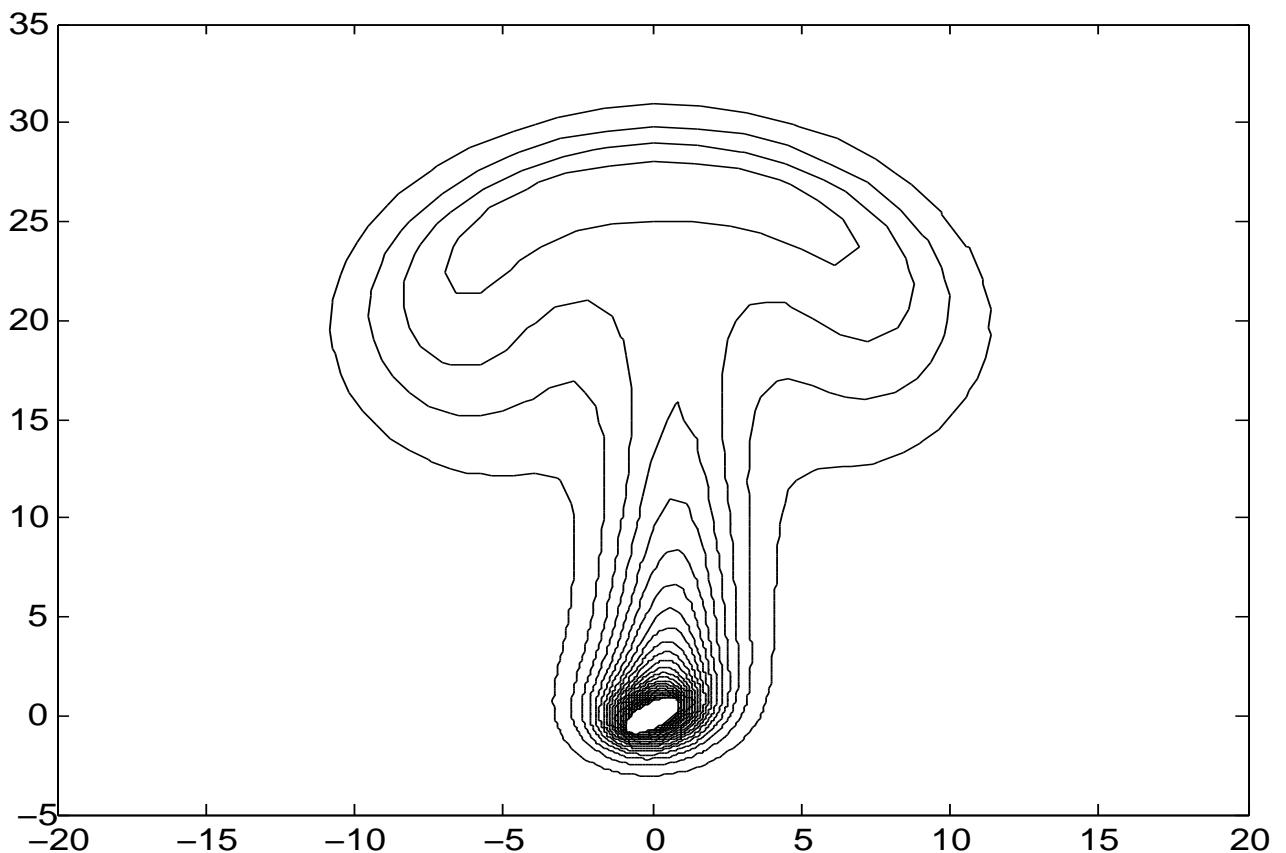


The Thermal Plume Problem:



Small time: $t = 2.5$



Large time: $t = 100$

Comparison between analytical & numerical results:

