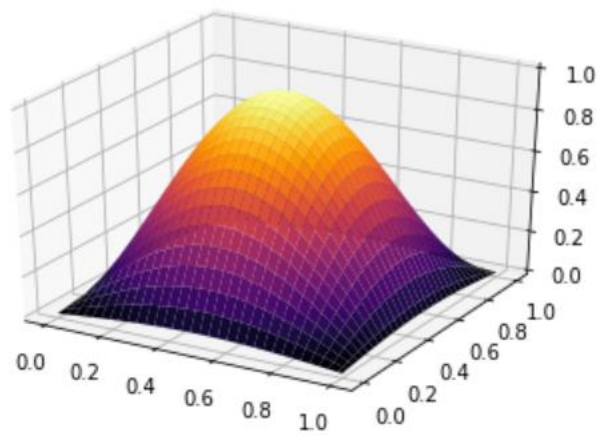
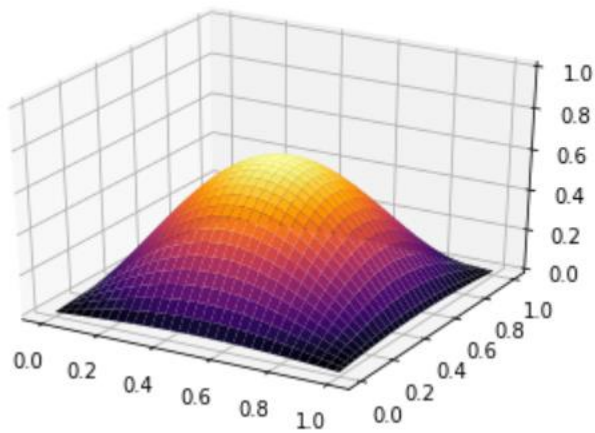


These lines are parallel, meaning that my code achieves second-order convergence.

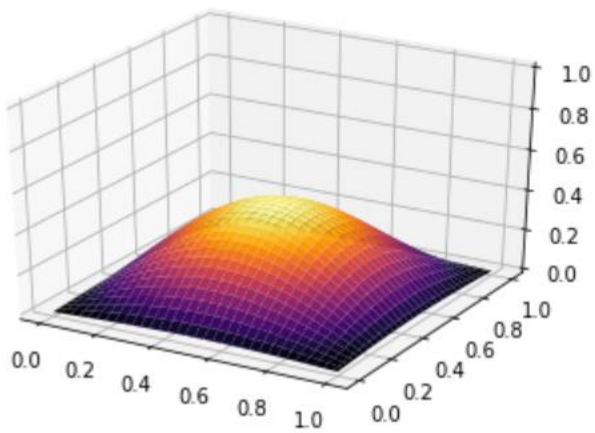
$t = 0$



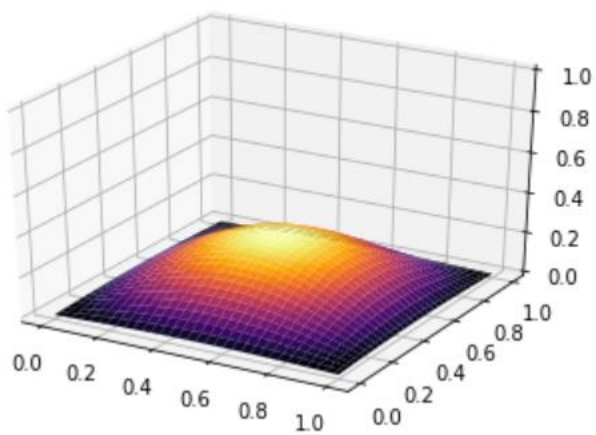
$t = 0.2$



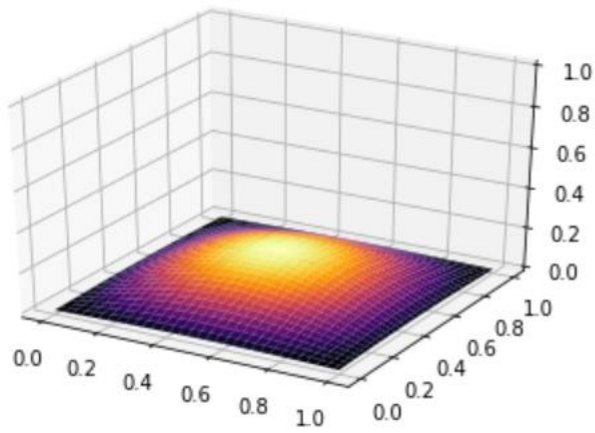
$t = 0.4$



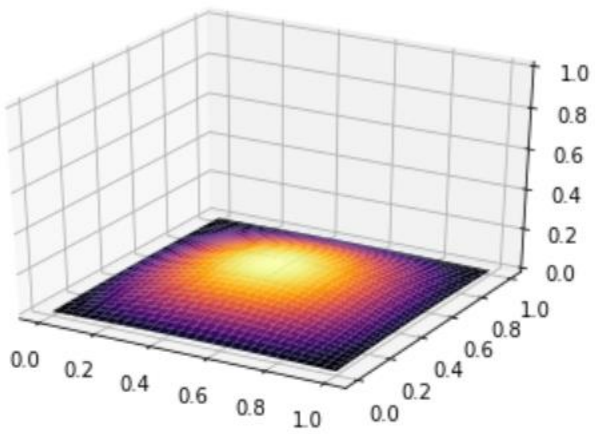
$t = 0.6$



$t = 0.8$



$t = 1.0$



I believe the solution should converge to 0 as  $t$  goes to infinity.