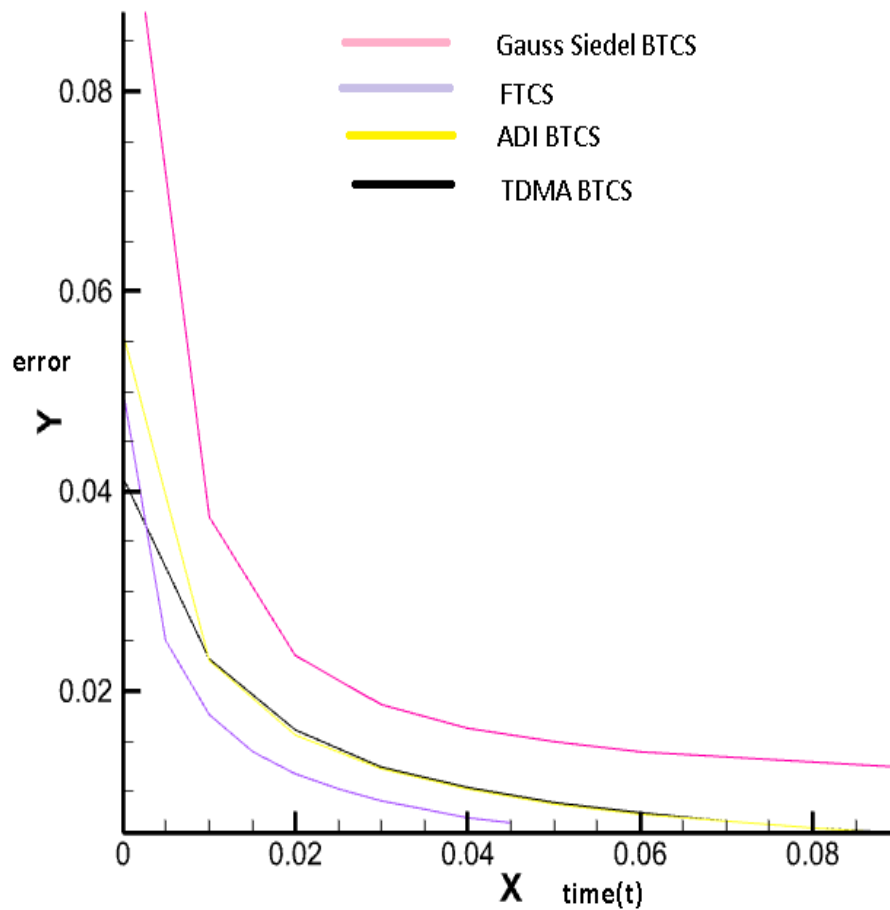


ME543
Project Report
On
Couette Flow

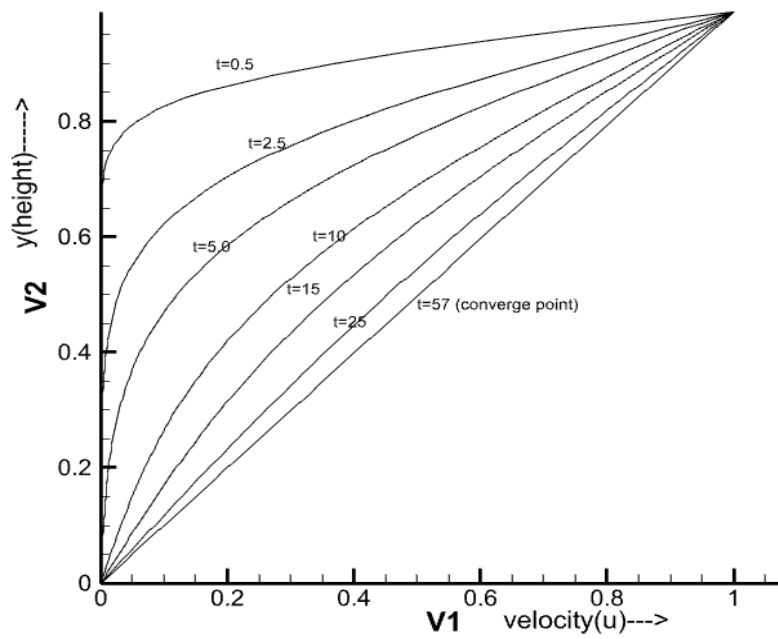
Naresh Kumar Bijarniya
234103328

TIME VS ERROR



1. Explicit Method: - FTCS

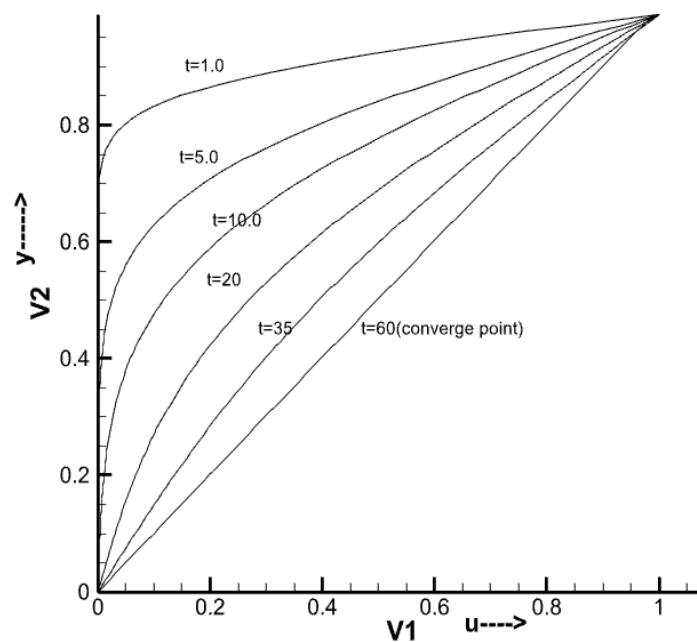
Re=100, M=100



2. Implicit Methods: -

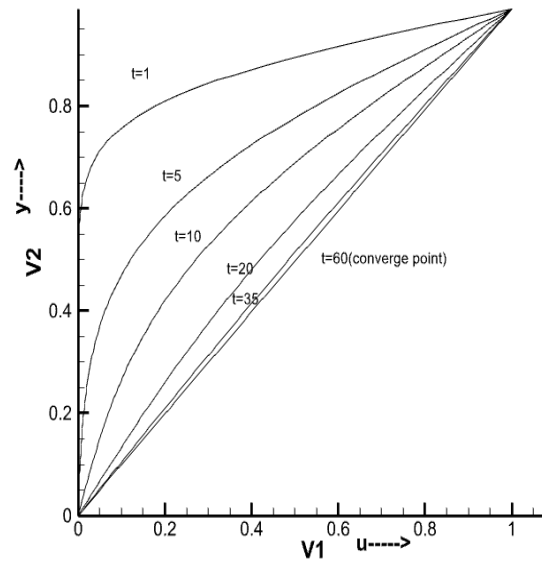
(1) BTCS: Gauss- Siedel iterative method

$Re=100, M=100$



(2) BTCS: -Tridiagonal Matrix Algorithm

Re=100, M=100



(3) Crank – Nicolson: - Tridiagonal Matrix Algorithm

Re=100, M=100

