

Iterative solutions									
Jacobi	iter= 47	max err =4.62e-11	[1.17478856	1.64317358	2.44824809	3.05598067	3.94965767	3.09947644]	
Gauss-Seidel	iter= 19	max err =2.03e-11	[1.17478856	1.64317358	2.44824809	3.05598067	3.94965767	3.09947644]	
SOR ( $\omega=1.25$ )	iter= 25	max err =1.42e-11	[1.17478856	1.64317358	2.44824809	3.05598067	3.94965767	3.09947644]	
Conjugate Gradient	iter=1000	max err =4.04e-03	[1.17656665	1.64269366	2.44433267	3.06002082	3.95260785	3.09922059]	
Exact solution	[1.17478856 1.64317358 2.44824809 3.05598067 3.94965767 3.09947644]								