The solutions of three-dimensional Fredholm integral equations using Adomian decomposition method

ABSTRACT. This paper presents the solutions of three dimensional Fredholm integral equations by using Adomian decomposition method (ADM). Some examples of these types of equations are tested to show the reliability of the technique. The solutions obtained by ADM give an excellent agreement with exact solution.

Key words: three-dimensional Fredholm integral equations, Adomian decomposition method.