

Bloom Graph

D.Antony Xavier, C.J.Deeni

Department of Mathematics, Loyola College, Chennai

Email: andrewarokiaraj@gmail.com

Abstract

Grid, cylinder and torus networks are immensely used Graph networks studied by specialists in dynamical systems and probability. In this paper, a new kind of graph, Bloom Graph $[B(m,n)]$, have been proposed. It possesses a unique property of being both regular and planar. We study some of its topological properties including its Hamiltonian property.
