

INTERVAL EQUITABLE EDGE COLORING OF THE GENERALIZED PETERSEN GRAPHS $P(n, 3)$, $n > 7$

S. SUDHA & G. M. RAJA

RIASM, University of Madras, India

ABSTRACT

Sudha et al. found the interval equitable edge coloring of the generalized Petersen graph $P(n, 2)$, $n > 5$ and found its chromatic number to be 3. In this paper, we have extended our discussion of the interval equitable edge coloring of the generalized Petersen graph $P(n, 3)$, $n > 7$ and establish that its chromatic number is also 3

AMS Classification Code: 05C15

KEYWORDS: Color Class, Equitable Edge Coloring, Generalized Petersen Graph, Interval Edge Coloring, Interval Equitable Edge Coloring