

$\{C_3, C_4\}$ -factor of a graph

Hong Wang
University of Idaho

Abstract

Let n , s and t be three integers with $s \geq 1$, $t \geq 0$ and $n = 3s + 4t$. Let G be a graph of order n such that the minimum degree of G is at least $(n + s)/2$. Then G contains a 2-factor with $s + t$ components such that s of them are triangles and t of them are quadrilaterals.