

Article Abstract

Title:	The inverse strong non-split r-domination number of a graph
Author(s):	B.K. Ameen ^{1*} , R. Selvakumar ²
Address(es):	¹ Department of Mathematics, Dhanabagiyam Krishnaswamy Mudaliar College for Women (Autonomous), Vellore – 1, INDIA ² Department of Mathematics, VIT University, Vellore – 14, INDIA E-mail:(ameena_maths@rediffmail.com (B.K. Ameenal); *Corresponding author)
Journal:	<i>International Journal of Engineering, Science and Technology</i> , Vol. 2, No. 1, 2010, pp. 127-133.
Abstract:	In this paper, we define the notions of inverse strong non-split r-dominating set and inverse strong non-split r-domination number $\gamma'_{snsr}(G)$ of a graph G . We characterize graphs for which $\gamma_{snsr}(G) + \gamma'_{snsr}(G) = n$, where $\gamma_{snsr}(G)$ is the strong non-split r-domination number of G . We get many bounds on $\gamma'_{snsr}(G)$. Nordhaus-Gaddum type results are also obtained for this new parameter.
Keywords:	r-independent set, r-dominating set, strong non-split r-dominating set, inverse strong non-split r-dominating set, strong non-split r-domination number and inverse strong non-split r-domination number.