

# On augmented eccentric connectivity index of graphs and trees

(Talk)

Jelena Sedlar

University of Split, Faculty of civil engineering, architecture and geodesy, Croatia  
jsedlar@gradst.hr

All extremal graphs with respect to augmented eccentric connectivity index among all simple connected graphs, among trees and among trees with perfect matching are established. For graphs that turn out to be extremal, explicit formulas for the value of augmented eccentric connectivity index are derived.

MSC2010: 05C35, 92E10.

Keywords: Augmented eccentric connectivity index, Extremal graphs.

Section: Combinatorics.