

***VL*-MULTIPLICATIVE TOTAL ECCENTRICITY INDEX AND
VL-MULTIPLICATIVE HYPER TOTAL ECCENTRICITY INDEX
OF SOME STANDARD GRAPHS**

Narendra V. H., Mahalakshmi P.*, Deepika T.* and V. Lokesha**

Department of Mathematics,
Government Science College,
Chitradurga - 577001, Karnataka, INDIA

E-mail : narendravh@gmail.com

*Department of Mathematics,
School of Engineering, Dayananda Sagar University,
Bangaluru - 560078, Karnataka, INDIA

E-mail : mahalakshmi-maths@dsu.edu.in, deepika-maths@dsu.edu.in

**Department of Studies in Mathematics,
Vijayanagara Sri Krishnadevaraya University,
Ballari - 583105, Karnataka, INDIA

E-mail : v.lokesha@gmail.com

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Abstract: In this article, we study the *VL*-multiplicative total eccentricity index and *VL*-multiplicative hyper total eccentricity index of graphs. Also, established the results of these indices for complete graphs, path with n -vertices, cycle graphs, wheel graphs, star graphs and complete bipartite graphs.

Keywords and Phrases: Eccentricity, Total graph, Degree, Topological index.

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1. Introduction

Consider a finite graph G with n vertices and m edges. The vertex set of G is denoted as $V = V(G)$ and the edge set as $E = E(G)$. Let $e = uv$ denotes the edge