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ON TRANSFORMED GRAPHS

Ishita Sarkar, Manjunath Nanjappa* and Ivan Gutman**

Department of Mathematics,
CHRIST (Deemed to be University),
Bengaluru - 560029, INDIA

E-mail : ishita.sarkar@res.christuniversity.in

*School of Engineering and Technology,
CHRIST (Deemed to be University),
Bengaluru - 560074, INDIA

E-mail : manjunath.nanjappa@christuniversity.in

**Faculty of Science,
University of Kragujevac,
Kragujevac, 34000, SERBIA

E-mail : gutman@kg.ac.rs

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Abstract: The network systems and graphical analysis through the study of structural characteristics is a vast field of growing importance in research. Topological indices have a significant and crucial role in the study of structure–property relationships. In this paper, we examine constructional transformed networks constructed by unique vertex-edge incidence and mutual adjacency associations. Expressions for the first and second hyper Zagreb indices and co-indices of these transformed networks and their complements are obtained.

Keywords and Phrases: Hyper Zagreb Indices, Transformation Graphs, Co-indices.

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