

## ON ZAGREB INDICES OF THE SUB-DIVISION GRAPHS

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### Abstract

The  $T_{m;n}$  Tadpole graph is the graph obtained by joining a cycle graph  $C_m$  to a path of length  $n$ . In this paper we calculated the Zagreb indices of the subdivision graph of the tadpole graphs  $S(T_{m;n})$ . Further extended the work to calculate the same for the wheel graph  $W_{n+1}$  in which subdivision is introduced.

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Key Words : Zagreb index, Zagreb coindex, Subdivision Graph, Tadpole-graph, Wheel Graph.

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