



MINIMAL ESTRADA INDICES OF THE TREES WITH A PERFECT MATCHING*

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Abstract. Let \mathcal{H}_n be the set of the trees having a perfect matching with n vertices. The ordering of the trees in \mathcal{H}_n according to their minimal Estrada indices is investigated. The trees with the smallest and the second smallest Estrada indices among \mathcal{H}_n , with $n \geq 6$, are obtained.

Key words. Estrada indices, Perfect matching, Trees.

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