

Degree Sequences of Partial Halin Graphs

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Informally speaking, a *Halin graph* is essentially a tree T where a cycle has been drawn through the leaves of T . (A more formal definition will be presented during the talk.) Moreover, a *partial Halin graph* is a spanning subgraph of a Halin graph. The degree sequences of Halin graphs were classified by Türker Bıyıkoğlu in 2005. In this talk, we extend Bıyıkoğlu's results and characterize the degree sequences of partial Halin graphs. We also discuss the related edge-coloring question that led to our characterization.

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