On Graceful Labeling of Trees

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Hrnciar and Haviar have shown that all trees of diameter five are graceful. The resulting graceful labeling often are of the type "spiral canonic" or similar which had been used by the author in proving gracefulness of trees of diameter four and some classes of trees of diameter five. The purpose of this talk is to elaborate the canonic labeling of the trees with some cyclic permutations on the vertex labels to show that gracefulness of a class of rooted complete trees with diameter greater than five.

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