## Note

# MAXIMAL BUTTONINGS OF TREES 

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#### Abstract

A buttoning of a tree that has vertices $v_{1}, v_{2}, \ldots, v_{n}$ is a closed walk that starts at $v_{1}$ and travels along the shortest path in the tree to $v_{2}$, and then along the shortest path to $v_{3}$, and so forth, finishing with the shortest path from $v_{n}$ to $v_{1}$. Inspired by a problem about buttoning a shirt inefficiently, we determine the maximum length of buttonings of trees.


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## References

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