

# The Speed of Random Walks on Trees and Electric Networks

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## SUMMARY

The speed of the random walk on a tree is the rate of escaping its starting point, (cf. [1]). This depends on the way the branching occurs, for example if the average number of branching is large then the speed is more likely to be positive. This, on some models of random trees, is determined by using the hitting times of consecutive levels of the tree (cf. [2]).

**Keywords:** Random walk, speed, electric network, resistance.

**AMS Classification:** 60J20, 05C05

## References

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- [2] M. KONSOWA (2009). On the Speed of Random Walks on Random Trees. *Statistics and Probability Letters*, **79**, 2230–2236.

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