

# Power domination of graphs

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EXTENDED ABSTRACT

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**Theorem 1 (Authors 'Year [6])** *Statement.*

**Conjecture 2** *Statement.*

If you want to insert figures, then insert figures as follows (see Figure 1):

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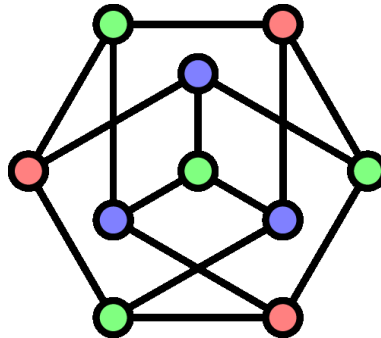


Figure 1: Petersen

Finally, the extended abstract must not exceed two pages and must be submitted in `.pdf` format to:

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## References

- [1] A. Aazami. Domination in graphs with bounded propagation: algorithms, formulations and hardness results. To appear in **J. Combin. Optim.**

- [2] A. Aazami, M. D. Stilp. Approximation algorithms and hardness for domination with propagation. In **SIAM J. Discrete Math.** 23:1382–1399, 2009.
- [3] T. L. Baldwin, L. Mili, M. B. Boisen Jr, R. Adapa. Power system observability with minimal phasor measurement placement. In **IEEE Trans. Power Systems** 8:707–715, 1993.
- [4] G. J. Chang. Algorithmic aspects of domination in graphs. In **Handbook of Combinatorial Optimization** (D.-Z. Du and P. M. Pardalos eds.), 3:339–405, 1998.
- [5] P. Dorbec, M. Mollard, S. Klavžar, S. Špacapan. Power domination in product graphs. In **SIAM J. Discrete Math.** , 22:554–56, 2008.
- [6] M. R. Garey, D. S. Johnson. *Computers and intractability: a guide to the theory of NP-completeness*. Freeman, New York, (1979).