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Extended resource allocation index for link prediction of complex network

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***Highlights (for review)**

1) Similarity of endpoints depends on the potential resource interacted between them
2) Resource transferred by common neighbors and non-common neighbors are considered
3) It's a self-adaptive similarity index by adjusting the resource of longer paths
4) This method proposed is very suitable for large-scale networks
5) It is well performed under two standard metrics AUC and precision