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A new centrality measure of nodes in multilayer networks under the framework of tensor computation

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Highlights

- Using the mathematical formulation of the fourth-order tensor to represent the multilayer networks
- Four metrics are used to quantify nodes and layers in multilayer networks and an iterative algorithm is proposed
- Using the theory of multilinear algebra to prove the convergence of the iterative algorithm.
- The new centrality measure SVT is applied to two real-world multilayer networks related to cancers

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