

## **Anomalous cumulative inertia and transport on network**

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I will present a theory of anomalous trapping and aggregation of individuals on scale-free network. Using the empirical law of cumulative inertia and fractional analysis, I will show that anomalous cumulative inertia overpowers highly connected nodes in attracting network individuals. This phenomenon fundamentally challenges the classical result that individuals tend to accumulate in high-order nodes.