

Abstract Submitted
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Empirical study on tourism network in China YU WANG, DAN SHEN, HUI CHANG, DA-REN HE, Yangzhou University — We have made an empirical investigation on the tourism in China with the complex network description. In the network the nodes are defined as scenic spots, two nodes are connected by an edge when they appear in a common tourist route. The tourist routes are defined as acts. The node weight is defined as the tourist number visiting the scenic spot. Some statistical properties have been obtained. The results certify that the degree distribution, the act degree distribution, and the dependence of the clustering coefficient on both of them obey exponential decays. The assortativity shows an extremely large number $r = -2.71$. The node weight distribution also follows an exponential decay.

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