

Colloquium

Some rigidity properties of solutions of elliptic equations

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摘 要：

In this talk, I would like to discuss some rigidity properties of solutions of elliptic equations. Solutions of elliptic equations exhibit several similar properties of analytic functions, for example, the unique continuation property and the Liouville-type property. We are interested in not only the qualitative description of the property but also their quantitative estimates. Some of those estimates are useful in other problems. This talk is for general audience. It requires no special knowledge of PDE.