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# Joint Geometric Analysis Seminar

(Part of MIST program)

## *Homotopical 2-systole inequalities for positive scalar curvature (PSC) manifolds*

*Prof. Jintian Zhu*

*Beijing International Center for Mathematical  
Research, Peking University*

### Abstract

In this talk, we will have a discussion on homotopical 2-systole inequalities for PSC manifolds. We plan to first review some recent progress on topology of PSC manifolds, and then turn to the homotopical 2-systole inequalities beyond the topology.

Date: 12 November 2021 (Friday)  
Time: 9:00am – 10:00am (Hong Kong time)  
ZOOM link: <https://cuhk.zoom.us/j/91805734715>

*All are Welcome*