



Department of Mathematics  
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## DEPARTMENT OF MATHEMATICS

City University of Hong Kong

# Symmetry of Hypersurfaces and the Hopf Lemma

by

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**Time: 4:00pm – 5:00pm**

**Venue: Y5-302, Yeung Kin Man Academic Building**

### ABSTRACT

A classical theorem of A.D. Alexandrov asserts that a connected compact smooth hypersurface in Euclidean space with constant mean curvature must be a sphere. We give exposition to results on symmetry properties of hypersurfaces with ordered mean curvature and associated variations of the Hopf Lemma. Some open problems will be discussed.



~ALL ARE WELCOME~

