



Department of Mathematics  
香港城市大學  
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## DEPARTMENT OF MATHEMATICS

City University of Hong Kong

### Bogdanov-Takens bifurcation and its applications

by

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**Date: 8 Feb. 2023 (Wednesday)**

**Time: 4:00 – 5:00 pm**

#### ABSTRACT

In this talk, we firstly recall Bogdanov-Takens bifurcation and degenerate Bogdanov-Takens bifurcation with codimension three. Secondly, we will provide some applications of Bogdanov-Takens bifurcation in some biological and epidemiological models.

Register in advance for this talk:

[https://cityu.zoom.us/meeting/register/tJcqcuyuqDovEtMcl1tr\\_OpccAjrNhbZ9hIb](https://cityu.zoom.us/meeting/register/tJcqcuyuqDovEtMcl1tr_OpccAjrNhbZ9hIb)

*[Zoom link will be provided via email after registration.]*



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