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Department of Mathematics The Chinese University of Hong Kong 數學系 香港中文大學

Phone: (852) 3943 7988 • Fax: (852) 2603 5154 • Email: <u>dept@math.cuhk.edu.hk</u> (Math. Dept.) Room 220, Lady Shaw Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong



## Symplectic fillings and rational blowdowns

## **Professor Jongil PARK** Seoul National University

## <u>Abstract</u>

One of active research areas in symplectic 4-manifolds is to classify symplectic fillings of certain 3-manifolds equipped with a contact structure. Among them, people have long studied symplectic fillings of the link of a complex surface singularity.

In this talk, I'd like to explain that any minimal symplectic filling of the link of a quotient surface singularity equipped with the canonical contact structure can be obtained by a sequence of rational blowdowns and blowing-ups from the minimal resolution the corresponding quotient surface singularity.

Date: February 10, 2017 (Friday)
Time: 4:00pm ~ 5:00pm
Venue: Room 222, Lady Shaw Building, The Chinese University of Hong Kong, Shatin

All are Welcome