



XIAMEN UNIVERSITY MALAYSIA

廈門大學 馬來西亞分校

Research Talk – XMU-XMUM (Co)AMOEBOAS, SINGULARITIES, AND KNOTS THEORY

October 30, 2023 (Monday), 3:30–4:30 pm Room A4#G03

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Research interests: Real and complex algebraic geometry, tropical geometry, (co)amoebas, and mirror symmetry.

SPEAKER INTRODUCTION

Dr. Mounir Nisse is an Associate Professor at Xiamen University Malaysia graduated from University Paris 6.

ABSTRACT

We show that any torus link \mathcal{L} is the union of the one-dimensional connected components of the critical values of the argument map restricted to a complex algebraic plane curve. Moreover, we give some applications on singularities of complex algebraic hypersurfaces and Milnor's fibers. We state some interesting questions and conjectures on knots in general. This is a joint work with Yen-Kheng Lim.