

Cinzia Bisi (University of Ferrara, Italy): visited Mathematics department, University of Oslo from 26 June 2022 to 9 July 2022. She discussed complex dynamics with Tuyen Trung Truong, with focus on a joint work with Jonathan Hauenstein (Notre Dame University, USA) on using computer algebra to explore a possible counterexample to algebraic dynamics concerning pullback on cohomology groups by birational endomorphisms of affine rational 3-folds. She presented a series of 3 talks (30 June, 1 and 5 July 2022) on the topic: hypercomplex analysis and geometry, which includes analysis on zeros of polynomials in quaternion variables.

One paper has been published in the journal Nonlinearity:

Cinzia Bisi, Jonathan Hauenstein and Tuyen Trung Truong, Some interesting birational morphisms of smooth affine quadric 3-folds, Nonlinearity 37 075006.

<https://iopscience.iop.org/article/10.1088/1361-6544/ad48f3>