

# A tropical and logarithmic study of Milnor fibers

Patrick Popescu-Pampu <sup>1</sup>

<sup>1</sup> Université Lille I

I will present joint work with Maria Angelica Cueto and Dmitry Stepanov, explaining how to combine tools from tropical and logarithmic geometries in order to understand the structure of Milnor fibers of complex singularities. As an illustration of the general technique, I will explain a proof of the so-called “Milnor fiber conjecture” of Neumann and Wahl, which expresses iteratively the Milnor fibers of certain complex surface singularities in terms of the Milnor fibers of simpler singularities.