

**23 maja 2022 r.**

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**Global bi-Lipschitz classification of semialgebraic surfaces**

**Opis:** In this talk, I will present a classification of the semialgebraic surfaces in  $\mathbb{R}^n$  with isolated singularities up to bi-Lipschitz homeomorphisms with respect to the inner distance. In particular, we will obtain complete classifications for the Nash surfaces and the complex algebraic curves. I will also address the minimal surfaces with finite total curvature.

Joint work with Alexandre Fernandes.