Tadeusz Januskiewicz

Title: Complex links in Kahler polyhedral

Abstract: Recently Dmitri Panov introduced and studied the concept of K¨ahler polyhedra. I will descrie this and discuss its relation to nonpositive curvature. Briefly: K¨ahler polyhedron has both real links, which are piecewise spherical and complex links which are piecewise complex projective.

One can express CAT0 property of a K¨ahler polyhedron both in terms of real links (CAT1) and complex links (perhaps somewhat surprisingly CAT4). This gives many interesting examples, already in dimension 2, as descried by Panov, and many promising higher dimensional possibilities.