# Relative enumerative invariants of real rational surfaces

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## Abstract

The purpose of the talk is to present real analogs of relative Gromov-Witten invariants in several situations. For example, for real del Pezzo surfaces with a real (-2)-curve, we suggest, under some assumptions, an invariant signed count of real rational curves that belong to a given divisor class and are tangent to the (-2)-curve at each intersection point; the resulting number does not depend neither on the point constrains, nor on deformation of the surface preserving the real structure and the (-2)-curve. (Joint work with V. Kharlamov and E. Shustin.)