Euler characteristic reciprocity for chromatic and order polynomials

Abstract: "Combinatorial reciprocity" is a phenomena that the values at negative integers of the counting function of an enumerative problem become a counting function of another enumerative problem. We will discuss motivic aspects of combinatorial reciprocity, more precisely, it is sometimes explained through Euler characteristics of some semialgebraic sets.
This talk is based on a joint work with Takahiro Hasebe. (arXiv:1601.00254)