Abstract: Shintani’s zeta function is an example of a zeta function associated to a prehomogeneous vector space, and figures prominently in my ongoing work with Taniguchi on the distribution of cubic field discriminants. I will describe a side project of mine, summarized in the title. I will spend some time motivating the question, and some time explaining why the answer is “no”. (I have a proof of this fact for some of the cases under consideration.) One interesting aspect of this work is that it makes prominent use of recent work of Cohen and Morra, which describes the distribution of field discriminants via Galois theory and class field theory.