

A class of Ginzburg categories, that are 3CY triangulated categories of modules over a nice and simple dg algebra, admit a description in terms of decorated marked Riemann surfaces S endowed with a triangulation or a meromorphic flat structure with simple zeroes. Their stability manifold appears then isomorphic to the moduli space of such structures. This goes back to results in representation theory and to Bridgeland-Smith (2015).

In the talk, I will review this description and propose an analogous description in the case of higher order zeroes and "mixed-angulations", i.e. tilings of S with arbitrary polygons. This is part of a joint work with Martin Moeller, Qiu Yu, and Jeonghoon So.