
GREG WARRINGTON, University of Vermont

The Sweep Map

The zeta map has been rediscovered by many researchers in various contexts. Our interest ultimately stems from its ability to relate the area, bounce and dinv statistics that arise in the study of the q,t -Catalan numbers. In joint work with N. Loehr and D. Armstrong, we prove the equivalence of several descriptions of the zeta map as well as unify many of its previously known manifestations under a very general map that we call the sweep map.