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String decomposition of Parking functions

The search for the irreducible bicharacters for the space of diagonal harmonics, the search for a bijection that inverts the statistics area and bounce (or dinv) in the (q,t)-Caltalan formula of Garsia and Haiman or the (q,t)-Schröder formula of Haglund, and the more recent search for a basis for the diagonal harmonic alternants of Garsia and Zabrocki, all relate to the decomposition of these into strings that preserve the bidegree. In this talk we will give partial results on such a decomposition.