
SARAH PLOSKER, Brandon University

Dirichlet Polynomials, Majorization, and Trumping

Majorization and trumping are two partial orders that have proved useful in entanglement theory. We show some relations between these two partial orders and generalized Dirichlet polynomials, Mellin transforms, and completely monotone functions. These relations are used to prove a succinct generalization of Turgut's characterization of Trumping. This is joint work with R. Pereira.