

AL BAERNSTEIN II'S CONTRIBUTIONS TO SYMMETRIZATION, PART II

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Al Baernstein's work on polarization has been extensively cited and has influenced many researchers. His contributions to rearrangement inequalities for which polarization fails may be less widely known. We will discuss several of Al's results in this direction, including Riesz' inequality for the simultaneous symmetrization of three functions on the circle, and an inequality for k -plane transforms obtained jointly with Michael Loss.