

REARRANGEMENTS OF GENERAL MONOTONE FUNCTIONS AND OF THEIR FOURIER TRANSFORMS

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Abstract. We extend further Boas' conjecture concerning functions nonincreasing on $(0, \infty)$ and their Fourier transforms by considering rearrangements of general monotone functions and of their Fourier transforms. These results are similar those of Sagher in proving Boas' conjecture, and follow up on recent work of Liflyand and Tikhonov in this area.

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