

**On some lower bounds
of some symmetry integrals**

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We give lower bounds (of the same order of magnitude of the diagonal) of some symmetry integrals I_f ; hence, of the corresponding Selberg integrals J_f , for quite general arithmetic functions $f : \mathbb{N} \rightarrow \mathbb{R}$.

In particular, we obtain lower bounds of $J_k = J_{d_k}$ for the divisor function d_k , generated by ζ^k .

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