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A New Proof of the Monotonicity Property of Power Means

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Abstract:	If $M_r$ is the weighted power mean of the numbers $ x_j \in [a,b]$ then
	$Q_r(a,b,x) = (a^r + b^r - M^r_r)^{1/r}$ is increasing in $r$ . A new proof of this
	fact is given.
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