

# SOME NEW RESULT CONCERNING THE HARDY INEQUALITY

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ABSTRACT. We present and discuss some fairly new scales of equivalent integral conditions, which can be used to characterize the modern form of weighted Hardy's inequality for the case  $1 < p \leq q < \infty$ . We apply these conditions to further generalize and unify some well-known characterizations of Hardy type inequalities for decreasing functions by E. Sawyer and G. Sinnamon.

## REFERENCES

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