

## Exposé court

**153** *Lower bounds for negative moments of  $\zeta'(\rho)$*

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We establish lower bounds for the discrete  $2k$ -th moment of the derivative of the Riemann zeta function at nontrivial zeros for all  $k < 0$  under the Riemann hypothesis (RH) and the assumption that all zeros of  $\zeta(s)$  are simple.