

McCann, Roger C.

Inequalities for the zeros of Bessel functions. (English) [Zbl 0548.33004](#)
Dynamical systems, Proc. int. Symp., Gainesville/Fla. 1976, 465-466 (1977).

[For the entire collection see [Zbl 0532.00013](#).]

This paper contains a summary of the author's proof that j_{pn}/p decreases as p increases, $0 < p < \infty$ where j_{pn} is the n th positive x -zero of $J_p(x)$. More details are given in the author's paper in SIAM J. Math. Anal. 8, 166-170 (1977; [Zbl 0342.33021](#)).

Reviewer: [M.E.Muldoon](#)

MSC:

33C10 Bessel and Airy functions, cylinder functions, ${}_0F_1$

Keywords:

Bessel functions; zeros; inequalities; monotonicity