INEQUALITIES INVOLVING GEGENBAUER
POLYNOMIALS AND THEIR TANGENT LINES

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Abstract. On the interval $[-1,1]$, the Gegenbauer polynomial C_n^λ ($\lambda > 0$) is greater than or equal to its tangent line at the point $z_0 = 1$. We derive a lower bound for the difference of C_n^λ and this tangent line.

REFERENCES

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