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	Another Refinement of Bernstein's Inequality
Authors:	Clément Frappier,
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Abstract:	Given a polynomial $p(z) = \sum_{j=0}^{n} a_j z^j$, we denote by $ $ the maximum norm on the unit circle $\{z : z = 1\}$. We obtain a characterization of the best possible constant $x_n \ge \frac{1}{2}$ such that the inequality $ zp'(z) - xa_n z^n \le (n-x) p $ holds for $0 \le x \le x_n$.

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