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**Mohammed A. Qazi\*** (qazima@aol.com), Dept of Mathematics, Tuskegee University, Tuskegee, AL 36088, and **Q. I. Rahman.** *An Inequality for Rational Functions.*

Let  $\mathcal{P}_n$  be the class of all polynomials of degree at most  $n$ . It is known that if  $f \in \mathcal{P}_n$  and  $|f(z)| \leq 1$  on the unit circle, then  $|f'(z)| \leq |z|^{n-1}$  outside the unit disk. We present an ‘extension’ of this result to rational functions which have all their poles in the open unit disk. (Received February 23, 2010)