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**Title:** A normality relationship between two families and its application

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Let  $k$  be a positive integer, and let  $\mathcal{F}$  be a family of meromorphic functions defined in a domain  $D \subset \mathbb{C}$ , all of whose zeros have multiplicity at least  $k$ , and there exists  $M > 0$  such that  $|f^{(k)}(z)| \leq M$  whenever  $f(z) = 0$  for  $f \in \mathcal{F}$ . If  $\mathcal{F}_k = \{f^{(k)} : f \in \mathcal{F}\}$  is normal, then  $\mathcal{F}$  is also normal in  $D$ . Some applications of this result are given.

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