Meromorphic Functions Sharing the Same Zeros and Poles

Dedicated to Henri Cartan on his 100th birthday.

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Abstract. In this paper, Hinkkanen’s problem (1984) is completely solved, i.e., it is shown that any meromorphic function $f$ is determined by its zeros and poles and the zeros of $f^{(j)}$ for $j = 1, 2, 3, 4$. 