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Pit-Mann Wong* (pmwong@nd.edu), Department of Mathematics, University of Notre Dame, Notre Dame, IN 46556, and **H. F. Law** and **Philip P.-W. Wong**. *Concepts of general position and a Second Main Theorem for non-linear divisors.*

We refine the concept of general position to the concepts of p -jet general position. These concepts of general position involve jets of order p and coincide with the usual concept of general position for hyperplanes, but are different for hypersurfaces of higher degrees. With the assumption that the hypersurfaces are in n -jet general position, a Second Main Theorem, with ramification term, for non-linear divisors and d -non-degenerate map $f : \mathbf{C} \rightarrow \mathbf{P}_n$ is obtained:

Theorem. *Let $D_1 = [P_1 = 0], \dots, D_q = [P_q = 0]$ be hypersurfaces of degree d in \mathbf{P}_n which are in n -jet general position. Then for any d -non-degenerate holomorphic map (that is, the image is not contained in any divisor of degree d) $f : \mathbf{C} \rightarrow \mathbf{P}_n$,*

$$N_n(r) + (q - n - 1 - \epsilon)dT_f(r) \leq \sum_{i=1}^q N_f(D_i; r) + O(\log r)$$

where $N_n(r)$ is the counting function of the n -th common zero divisor Θ_n of $g = \varrho_d \circ f$, $\varrho_d : \mathbf{P}_n \rightarrow \mathbf{P}_{nd}$ being the Veronese embedding of degree d . (Received August 07, 2007)