

[Li, Xian-Jin](#)

Proof of Hayman's conjecture on normal families. (English) [Zbl 0592.30035](#)
[Sci. Sin., Ser. A 28, 596-603 \(1985\)](#).

The author presents a proof for one of the conjectures which appeared in the work of *W. K. Hayman* [Research problems in function theory. London: University of London. The Athlone Press (1967; [Zbl 0158.06301](#))]. If \mathcal{F} is a family of meromorphic functions f in a domain D satisfying $f'(z) - af(z)^n \neq b$, where $n \geq 5$ and a and b are fixed finite constants, then \mathcal{F} is a normal family in D .

Reviewer: [St.Dragosh](#)

MSC:

- [30D45](#) Normal functions of one complex variable, normal families
- [30D30](#) Meromorphic functions of one complex variable (general theory)
- [30D35](#) Value distribution of meromorphic functions of one complex variable, Nevanlinna theory

[Cited in 5 Documents](#)

Keywords:

[normal family](#)