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**Foliations in  $\mathbb{C}P(n)$ : About hyperbolic holonomy for minimal exceptional sets. (Feuilletages de  $\mathbb{C}P(n)$ : De l'holonomie hyperbolique pour les minimaux exceptionnels.)** (French)

Zbl 0782.32023

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Does there exist a holomorphic foliation  $\mathcal{F}$  of codimension  $l$  in  $\mathbb{C}P(n)$  with a minimal exceptional set, i.e. with a leaf  $L$  whose closure  $\bar{L}$  does not contain any singular point of  $\mathcal{F}$ ? The answer is not known. However, the authors show: given a holomorphic foliation  $\mathcal{F}$  of codimension  $l$  in  $\mathbb{C}P(n)$  with a leaf  $L$  such that  $\bar{L}$  is disjoint from the singular set of  $\mathcal{F}$ , there exists a loop in a leaf contained in  $\bar{L}$  with contracting hyperbolic holonomy.

Reviewer: [A.Aeppli \(Minneapolis\)](#)

**MSC:**

**32S65** Singularities of holomorphic vector fields and foliations

Cited in **1** Review  
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**References:**

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