Calvo-Andrade, Omegar; Mendes, Luís Gustavo; Pan, Ivan
Foliations with radial Kupka set and pencils of Calabi-Yau hypersurfaces.
(English)
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Summary: We show that holomorphic singular codimension-one foliations of the complex projective space with a Kupka singular set of radial type and verifying some global hypotheses have rational first integral. The generic elements of such pencils are Calabi-Yau.

Keywords : holomorphic foliation; fibration; Calabi-Yau manifold
Classification :
\* 37F75 Holomorphic foliations and vector fields
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