

GEOMETRY OF CERTAIN FOLIATIONS IN THE COMPLEX PROJECTIVE PLANE

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The set $F(d)$ of foliations of degree d on the complex projective plane can be identified to a Zariski open set of a projective space of dimension $d^2 + 4d + 2$ on which the group $PSL(3, C)$ acts. We show that there are exactly two orbits of minimal dimension 6 and we study their basins of attraction.

Joint work with: Samir Bedrouni.