

Darboux curves on surfaces

Ronaldo Garcia¹

¹ Universidade Federal de Goiás

Instituto de Matemática e Estatística

In this talk it will be considered the dynamical aspects of Darboux lines near Darbouxian umbilic points of surfaces. Also, it will be discussed other kind of curves on surfaces which are defined as critical points of variational problems. See [1, 2].

References

- [1] Garcia, Ronaldo; Langevin, Rémi; Walczak, Paweł Darboux curves on surfaces II. *Bull. Braz. Math. Soc. (N.S.)* 47 (2016), no. 4, 1119–1154
- [2] Garcia, Ronaldo; Langevin, Rémi; Walczak, Paweł Darboux curves on surfaces I. *J. Math. Soc. Japan* 69 (2017), no. 1, 1–24.