

GEOMETRY SEMINAR

**Conformal Representation of Flat Surfaces in
Hyperbolic space and de-Sitter space****Geraldo Herbert Beltrão de Souza**

Universidade de Brasília

September 2, 2020

Time: 10:30 am

Acesso à sala virtual:

Abstract. In this talk, we give the Conformal Representation of flat surfaces in Hyperbolic 3-space and de-Sitter 3-space. Both representations were obtained by José Gálvez, Antonio Martínez and Francisco Milán. They studied classification of flat surfaces and complete end in the Hyperbolic 3-space by using the Conformal Representation. Then, we studied the Conformal Representation in order to get similar results to the flat surfaces in the de-Sitter space. But, in this seminar we just coment about the next steps in the study of flat surfaces in the de-Sitter 3-space.

References

- [1] J. A. Gálvez, A. Martínez, F. Milán. Flat surfaces in the hyperbolic 3-space, *Math. Ann.*, **316** (2000), 419-435.