

SEMPARIS – Séminaires en région parisienne

<http://string.lpthe.jussieu.fr/semparis/>

Séminaire Darboux - physique théorique et mathématiques

Jeudi 9 Décembre 2021, 11 :00

LPTHE, bibliothèque du LPTHE, tour 13-14, 4eme étage(Il est possible de suivre ce séminaire sur Zoom : 816 5134 3055 / code : 506989)

Domaines : hep-th—math.AG

Titre : *Gromov-Witten theory of complete intersections*

Orateur : **Pierrick Bousseau** (Laboratoire de Mathématiques d'Orsay)

Résumé : *I will describe an inductive algorithm computing Gromov-Witten invariants in all genera with arbitrary insertions of all smooth hypersurfaces, and more generally complete intersections, in projective space. The main idea is to show that invariants with insertions of primitive cohomology classes are controlled by their monodromy and by invariants defined without primitive insertions but with imposed nodes in the domain curve. To compute these nodal Gromov-Witten invariants, we introduce the new notion of nodal relative Gromov-Witten invariants. This is joint work with Hülya Argüz, Rahul Pandharipande, and Dimitri Zvonkine (arxiv :2109.13323).*
