
Experimentation on growth series of braids groups

Jean Fromentin^{*1}

¹LMPA – LMPA-ULCO – France

Résumé

We introduce a new algorithmic framework to investigate spherical and geodesic growth series of braid groups relatively to the Artin's or Birman–Ko–Lee's generators. Our experimentations in the case of three and four strands allow us to conjecture rational expressions for the spherical growth series with respect to the Birman–Ko–Lee's generators.

*Intervenant