Séminaire d'algèbre, géométrie et topologie
Jeudi 5 février à 14h
Salle I

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On Grothendieck dessins and elliptic curves

Following a basic diagram of F. Pakovich and L. Zapponi, we relate Grothendieck dessins on elliptic curves and Y- or X-shaped plane tree dessins of Shapat polynomials. Applying the continued fraction algorithm and Mazur's theorem on rational torsion of elliptic curves, we report a classification of X-shaped plane trees defined over $\mathbf{Q}$.