SRS

SwissMAP Research
Station in Les Diablerets

Contribution ID: **4**   Type: **not specified**

Weronika Czerniawska (UNIGE) - Selective Integration on Adelic Spaces and the Riemann-Roch theorem

Wednesday 12 January 2022 10:15 (25 minutes)

One cannot directly integrate over 2-dimensional geometric adeles associated to arithmetic and geometric surfaces, since they are are not locally compact spaces. Nevertheless it is still possible to conduct selective integration by choosing locally compact subquotient spaces. This leads to new integral representations of various geometric and arithmetic invariants and to new proofs of the arithmetic Riemann-Roch theorem in dimension two.

Session Classification: Short talks