

Multiple Zeta Values and Their Relation to the Projective Line Minus Three Points

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In this talk, I will first introduce multiple zeta values, which are natural generalizations of the values of the classical Riemann zeta function at positive integers. I will give some of their basic properties and mention some important conjectures about them.

In the second part of my talk, I will then try to explain how multiple zeta values are related to a certain “universal” vector bundle with connection on the projective line minus three points.