

The beauty of elliptic curves

Linda Frey

Elliptic curves are beautiful. And useful. In this talk I will shortly explain what elliptic curves are and why they are so special. I will give an overview of how they are used in cryptography and why this is safer than just working with prime numbers to show that they are useful. I will give a short insight into the Theorem of Mordell-Weil and its proof to show that they are beautiful.