## Elliptic surfaces

## 1 The first properties

**Definition 1.** An *elliptic surface* is a smooth projective surface S together with a surjective morphism  $\pi: S \to C$  to a smooth projective curve C such that the generic fiber of  $\pi$  is a smooth curve of genus 1, and  $\pi$  has a section  $s: C \to S$ . Yang: To be continued...



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