

**Definition 1.** This paragraph is nonsense, but contains some math formulas such as  $\alpha_1, \dots, \alpha_n \in \mathbb{Q}[i, \sqrt{2}]$  and  $\int_0^1 \alpha(x)f(x) dx$ . We like to compute *Gröbner* bases efficiently. We also like symbols such as  $\alpha \equiv \beta$  and  $x^\bullet \sim y^\dagger$ .