

## Exposé court

### **6** *Unimodal sequences, Hecke-type double sums and false theta series*

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The study of strongly unimodal sequences has recently attracted considerable interest with connections to knot theory and (mixed) mock modularity. In this talk, we discuss a two-parameter generalization of a Hecke-Appell type expansion for the generating function of unimodal sequences and its connection to Hecke-type double sums and false theta series. This is joint work in progress with Robert Osburn (UCD).