

# Successive minima of orders in number fields

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## **Abstract**

To an order in a number field of degree  $n$ , we attach  $n$  numbers called the successive minima roughly telling us about the shape of the lattice. Asymptotically, what successive minima are possible? Lenstra conjectured a precise answer to this question, based on certain subfields of the ambient field. I will discuss some cases of Lenstra's conjecture that can be proven.