

---

**VIDA DUJMOVIC**, Carleton University, Ottawa

*Crossing Number and Graph Minors*

The crossing number of a graph is the minimum number of crossings in a drawing of the graph in the plane. Our main result is that every graph  $G$  that does not contain a fixed graph as a minor has crossing number  $O(\Delta n)$ , where  $G$  has  $n$  vertices and maximum degree  $\Delta$ . This dependence on  $n$  and  $\Delta$  is best possible.

This is joint work with Ken-ichi Kawarabayashi, Bojan Mohar and David R. Wood.