mc² — a mcSAT solver

- **Implementation of mcSAT in OCaml** (descendant of msat/alt-ergo zero)

- **< 7kloc total**

- **Theories:**

  - Uninterpreted functions

  - LRA (conflict-driven Fourier Motzkin)

  - Boolean formulas via Tseitin encoding

- **https://github.com/c-cube/mc2** (Apache license)

- **Basic calculus, not much in way of simplifications**

  - Naturally good at diamond problems

  - Decent performance on QF_UFLRA (hyp: theory combination is cheap in mcSAT?)

- **Currently not incremental**