

PUBLIC LECTURE

February 3, 2014 at 2 p.m.

**THE FIELDS INSTITUTE
222 College St., Toronto**

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WAGON**

Mathematics and
Computer Science,
Macalester College,
St Paul Minnesota



Some Shocking Results in Mathematics

Some results are so shocking that they defy belief. Some new proofs are so simple that it is hard to believe they had been missed. The talk will present several examples, chosen from: modern interpretations of the Hilbert Hotel and the Banach-Tarski Paradox, an impossible construction using regular tetrahedra, a working model of a square wheel bike, and Julia Robinson's remarkable way of telling whether a rational number is an integer.

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