

**UIC Model Theory Seminar, March 28, 2006**  
**Finitely axiomatisable strongly minimal groups**

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The existence of a finitely axiomatisable  $\aleph_1$ -categorical theory with non-trivial geometry is open. Hrushovski has shown that such a theory must have a locally modular geometry, and conjectured that the existence of such a theory was equivalent to the existence of a division ring finitely presented as a ring. In joint work with Thomas Blossier, we have shown that if  $G$  is a finitely axiomatisable strongly minimal group, then the ring of quasi-endomorphisms of  $G$  is indeed finitely presented.