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David Lippel* (dlippel@nd.edu), Department of Mathematics, 255 Hurley Hall, Notre Dame, IN 46556-4618. *Quasi-finitely axiomatizable strongly minimal theories*. Preliminary report.

This talk will report on joint work with Dugald Macpherson. Let us say that a complete first-order theory is *quasi-finitely axiomatizable* (QFA) if (1) it is axiomatized by a single first-order sentence together with an axiom scheme of infinity, and (2) it is not finitely axiomatizable. At the 2002 Ravello Euro-Conference in Model Theory, Oleg Belgradek asked whether every stable QFA theory is totally categorical. Restricting our attention to strongly minimal theories, we ask: is a strongly minimal QFA theory necessarily ω -categorical? For trivial strongly minimal theories the answer is yes. I will discuss the case of the theory of a strongly minimal group, and how the trivial and group cases relate to the problem for general strongly minimal theories. (Received February 13, 2006)