

LOCAL REFLECTIONS OF CHOICE (ABSTRACT)

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While ZF without the Axiom of Choice can have many wild consequences, many of the models that working mathematicians consider are relatively ‘tame’, obeying the principle of *small violations of choice*. This assumption says that for some ‘seed’ S , every set is the image of a well-ordered number of copies of S . Consequently, violations of choice tend to reflect back to a violation of choice exhibited by S . We shall exhibit some of these reflections for important consequences of choice.