



International Finance / Volume 8, Issue 2 / p. 231-262

## Sacrifice Ratios with Long-Lived Effects<sup>†</sup>

Lawrence Huiyan Zhang

First published: 16 December 2005

<https://doi.org/10.1111/j.1468-2362.2005.00158.x>

Citations: 32

✉ Lawrence Huiyan Zhang

Department of Economics

Johns Hopkins University

Baltimore

MD 21218

USA

[hzhang@jhu.edu](mailto:hzhang@jhu.edu)

<sup>†</sup> \* I am grateful for comments from Palle Andersen, Laurence Ball, Christopher Carroll, Carl Christ, James Cover, Fred Gale, Louis Maccini, Adrian Pagan, Athanasios Orphanides and seminar participants at the Southern Economic Association 2000 Annual Meeting, 2001 Midwest Macroeconomics Conference and Johns Hopkins University, etc. Specially, I would like to thank Laurence Ball for his encouragement and innumerable discussions during the preparation of this paper. The author also thanks the John D. and Catherine T. MacArthur Foundation and Social Science Research Council, Program in Applied Economics for financial support. All errors are mine.

## Abstract

This paper is a theoretical and empirical study of sacrifice ratios—that is, the cost of reducing inflation during periods when disinflation produces long-lived effects on output or unemployment. New methods are developed for measuring sacrifice ratios. Sacrifice ratios that take into account long-lived effects are larger than sacrifice ratios calculated using Ball's (1994) 'standard method'. The 'standard method' also has a larger downward bias for countries experiencing larger long-lived effects. The sacrifice ratio for the United States falls somewhere in the middle of those for G-7 countries when long-lived effects are taken into account, while it is at the top when calculated using the 'standard method'. Finally, there is a negative relationship between sacrifice ratios and initial inflation rates, and the cost of reducing inflation is generally lower when the speed of disinflation is faster.

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