

last updated: April 28, 2012

We provide:

1. Links to three papers:
 - (a) Ikefuji, M., R.J.A. Laeven, J.R. Magnus, and C. Muris (2012a). Pareto utility, *Theory and Decision*, 72, 000–000. (Previous title: Burr utility). [\[PDF\]](#)
 - (b) Ikefuji, M., R.J.A. Laeven, J.R. Magnus, and C. Muris (2012b). Weitzman meets Nordhaus: Expected utility and catastrophic risk in a stochastic economy-climate model (Previous title: Expected utility and catastrophic risk in a stochastic economy-climate model). [\[PDF\]](#)
 - (c) Ikefuji, M., R.J.A. Laeven, J.R. Magnus, and C. Muris (2012c). Weitzman meets Nordhaus: Background document. [\[PDF\]](#)
2. The GAMS code [ILMM-SICE.gms](#), which is an adapted and shortened version of DICE delta version 8 (July 17, 2008) from: Nordhaus, W.D. (2008), *A Question of Balance: Weighing the Options on Global Warming Policies*, Yale University Press, New Haven, CT. The adaptation (called SICE: simplified version of DICE) is described in detail in: Ikefuji et al. (2012b, 2012c).
3. One output file [benchmark.put](#). After running the code `ILMM-SICE.gms`, your output can be found in two put-files: `early_output.put` and `all_output.put`.

The file `all_output.put` should be the same as `benchmark.put`. The output in `all_output.put` is formatted in such a way that it can be easily converted to a spreadsheet. The file contains a row of optimal (or predetermined) values for each of the following variables:

- AL
- SIGMA
- PSI
- L
- K
- MAT
- TATM
- YGROSS
- I
- C
- E
- OMEGA
- D
- MIU
- PERIODU

The file `early_output.put` is organized similarly, but only contains values for the first 20 periods.

The SICE code may be used freely, but reference should be made to Ikefuji et al. (2012b) or to the published version of this paper.

The authors accept no responsibility for any errors or malfunctions in the program. Tested with GAMS 22.5.

Comments and suggestions are welcome and should be addressed to Jan [Magnus](#).

Back to home page, click [\[HOME\]](#)