

## p-Adic fractals defined in terms of canonical identification

Canonical identification  $Id$  defined as  $Id : \sum x_n p^n \rightarrow \sum x_n p^{-n}$ . p-Adic fractal is defined as graph of  $f_c = Id \circ f^{-1} : R \rightarrow R$ .  $f$  is p-adic variant of function  $x^2$  or  $1/x$ .

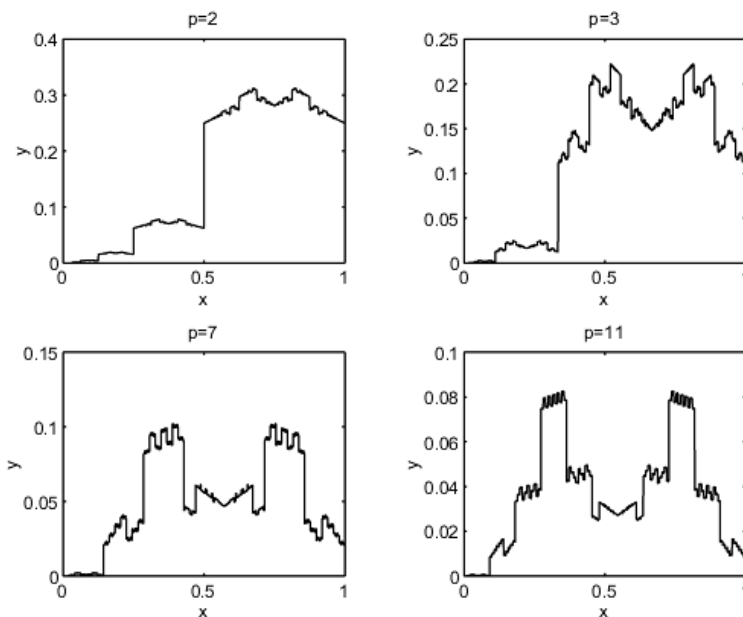


Figure 1: p-Adic  $x^2$  function for some values of  $p$

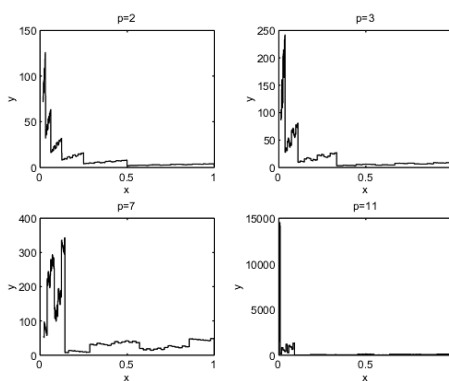


Figure 2: p-Adic  $1/x$  function for some values of  $p$