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*Isodecimal numbers,*

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**Abstract**

The aim of this paper is to investigate pairs of real numbers of the type  $(x, \frac{1}{x})$ ,  $(x, \frac{a}{x})$  and  $(x, x^2)$ , where the first component is a real number  $x \neq 0$  and the fractional parts of the coordinates are equal. We call such numbers *isodecimal*.