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**Title:** Liouville numbers in the non-archimedean case

**Author(s):** Tuangrat Chaichana, Takao Komatsu and Vichian Laohakosol

Basic results about real Liouville numbers are investigated in three non-archimedean settings, referred to as the non-archimedean case, comprising the field of  $p$ -adic numbers, the function field completed with respect to the degree valuation and the function field completed with respect to a prime-adic valuation. The result of Erdős that every real number is representable as a sum, and as a product of two real Liouville numbers is shown to hold in the non-archimedean case. The concept of Liouville continued fractions is also considered.

**Address:**

Tuangrat Chaichana  
Department of Mathematics  
Faculty of Science  
Chulalongkorn University  
Bangkok 10330  
Thailand

and

The  
Centre of Excellence  
in Mathematics  
CHE, Si Ayutthaya Rd.  
Bangkok 10400  
Thailand

**Address:**

Takao Komatsu  
Graduate School of Science  
and Technology  
Hirosaki University  
Hirosaki 036-8561  
Japan

**Address:**

Vichian Laohakosol  
Department of Mathematics  
Faculty of Science  
Kasetsart University  
Bangkok 10900  
Thailand