

Lecture Series “*Frontiers in Science*”

Dr. Kimball Martin

Osaka Metropolitan University

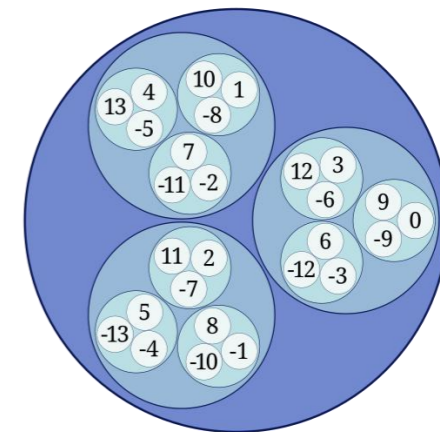
Title : p -adic numbers

Date & Time : July 6, 15:00 ~ 16:30

July 8, 15:00 ~ 16:30

July 10, 15:00 ~ 16:30

Venue : Sci. Bldg., E408 (Sugimoto C.)



The p -adic numbers, introduced by Kurt Hensel in 1897, provide an alternative way to study and visualize integers or rational numbers than the usual picture on the real line. Here p denotes a prime number. The p -adic numbers give a convenient way to study divisibility properties of numbers, and as such have become a fundamental object in Number Theory. I will introduce the p -adic numbers and explain how they are natural counterparts to the real numbers. Then we will study topology and analysis on p -adic numbers, which are very different than their real counterparts.



School of Science /
Graduate School of Science

Contact : Kimball Martin

Department of Mathematics
E-mail: kimball[at]omu.ac.jp