

Year: 2019

Vol.: 95

Fasc.: 1-2

**Title:** On the partitions into squares whose reciprocal sum is one

**Author(s):** Byungchan Kim, Ji Young Kim, Chong Gyu Lee and Poo-Sung Park

We show that for all positive integers  $n > 1223$ , there is a partition of  $n$  into squares whose reciprocals sum to 1.

**Address:**

Byungchan Kim  
School of Liberal Arts  
Seoul National University  
of Science and Technology  
232 Gongneung-ro  
Nowon-gu, Seoul, 01811  
Republic of Korea

**Address:**

Ji Young Kim  
Department of Mathematical Sciences  
Seoul National University  
1 Gwanak-ro  
Gwanak-Gu, Seoul, 08826  
Republic of Korea

**Address:**

Chong Gyu Lee  
Department of Mathematics  
Soongsil University  
369 Sangdo-ro  
Dongjak-gu, Seoul, 06978  
Republic of Korea

**Address:**

Poo-Sung Park  
Department of Mathematics Education  
Kyungnam University  
Changwon-si, 51767  
Republic of Korea