## 1086-11-1539 **Gautam Chinta\***, CCNY, Dept. of Mathematics, NAC 8-133, New York, NY 10031. *Prehomogeneous vector spaces and number theory.*

We will describe some examples of prehomogeneous vector spaces which parametrize objects of number theoretic interest and discuss the associated zeta functions. (Received September 23, 2012)