

1117-11-510

**Robert Schneider\*** ([robert.schneider@emory.edu](mailto:robert.schneider@emory.edu)), Dept. of Mathematics and Computer Science, Emory University, Atlanta, GA 30322. *Arithmetic of partitions.*

We present a natural multiplicative theory of integer partitions (which are usually considered in terms of addition), and find many theorems of classical number theory arise as particular cases of extremely general combinatorial structure laws. (Received January 19, 2016)