

1154-81-1891

**Ralph M Kaufmann\*** (rkaufman@purdue.edu), 150 N University St, West Lafayette IN, IN 47907, and **Dan Li** and **Erika Birgit Wehefritz-Kaufmann**. *Topological invariants and insulators*.

We discuss the origin of topological invariants and their interpretation in terms of K-theory. This includes integer as well as  $\mathbb{Z}/2\mathbb{Z}$  valued invariants. The former are known to transfer to the non-commutative side and we give a possible answer for the non-commutative analogue in the  $\mathbb{Z}/2\mathbb{Z}$  case. (Received September 16, 2019)