Publ. Mat. **60** (2016), 113–170 DOI: 10.5565/PUBLMAT_60116_05

FINE GRADINGS ON e₆

Cristina Draper* and Antonio Viruel[†]

Abstract: There are fourteen fine gradings on the exceptional Lie algebra \mathfrak{e}_6 over an algebraically closed field of zero characteristic. We provide their descriptions and a proof that any fine grading is equivalent to one of them.

2010 Mathematics Subject Classification: 17B25, 17B70.

Key words: Graded algebra, exceptional Lie algebra, maximal abelian diagonalizable group.

~