

ERRATUM: NICE PARABOLIC SUBALGEBRAS OF REDUCTIVE LIE ALGEBRAS

KARIN BAUR AND NOLAN WALLACH

Our article [BW] classifies the nice parabolic subalgebras of reductive Lie algebras. The point of this erratum is to correct two mistatements in the paper. The first is in the formulation of Theorem 1.4 and the second is in the list for E_8 which contains a parabolic subalgebra that is not nice. Relative to the first error Theorem 4.9 in the case of D_n contains the correct assertion and one condition was inadvertently omitted in part 3) of Theorem 1.4. In part 3) of Theorem 1.4 the words “and and” should be replaced by “and $a_{r-1} < a_r$ and”.

The list of the nice parabolic subalgebras of E_8 on page 4 contains one example of a parabolic subalgebra that is not nice and should be removed from that list, it is the parabolic subalgebra described by $(1, 0, 1, 0, 0, 0, 0, 1)$.

The list on page 25 of the nice parabolic subalgebras of E_8 that are not given by an even TDS should then only consist of $(0, 0, 1, 0, 0, 0, 1, 0)$. Again, $(1, 0, 1, 0, 0, 0, 0, 1)$ is not nice. Furthermore, $(1, 0, 0, 0, 0, 0, 1, 0)$ is given by an even TDS.

REFERENCES

- [BW] K. BAUR, N. R. WALLACH, *Nice parabolic subalgebras of reductive Lie algebras*, Represent. Theory **9** (electronic), Amer. Math. Soc. (2005), 1–29.

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF CALIFORNIA, SAN DIEGO, 9500 GILMAN DRIVE,
LA JOLLA, CALIFORNIA 92093-0112

E-mail address: kbaur@math.ucsd.edu

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF CALIFORNIA, SAN DIEGO, 9500 GILMAN DRIVE,
LA JOLLA, CALIFORNIA 92093-0112

E-mail address: nwallach@math.ucsd.edu

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