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*Commutation relations and structure constants for Kac-Moody groups.* Preliminary report.

We outline a construction of Kac–Moody groups as Chevalley groups. The question of determining the commutation relations between real root group generators  $\chi_\alpha$  and  $\chi_\beta$  may be reduced to the rank 2 root subsystem generated by the real roots  $\alpha$  and  $\beta$ . These commutation relations are known up to integral structure constants and their signs. We determine the structure constants for these commutation relations as well as consistent systems of signs. This requires a knowledge of the root strings containing real roots and the cases where sums of real roots are not real roots. (Received March 20, 2017)