

Results in Section 1 are due to Soergel, [S2]. For a comprehensive treatment of Koszul duality see [BGS] or [EMTW, Secs 25, 26]. For basics on D-modules, see [HTT], basics are treated in Sec 1, while the equivariant setup is explained in Sec 11.5. A connection between D-modules and representations of $\mathfrak{g}$ sketched in Sec 2.2 of the lecture stems from [BB], and the last theorem in the section is due to Soergel, [S1].

Results in this lecture can be found in [EMTW], Secs 25-26.

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