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# PBW bases parametrized by polytopes

Deniz Kus <sup>\*</sup>

[dkus@math.uni-koeln.de](mailto:dkus@math.uni-koeln.de)

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For a simple Lie algebra we study the PBW filtration on the highest weight representations  $V(\lambda)$  and present polytopes parametrizing bases of the corresponding associated graded spaces.

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<sup>\*</sup>Mathematisches Institut, Universität zu Köln, Weyertal 86-90, 50931 Köln, GERMANY.