Module Depth and Representation Theory

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In this talk I will work with finite dimensional Hopf algebras and explain the representation theoretic condition of module depth d(M, Hmod). There are many cases where it is bounded by some number for all modules in Hmod. There are cases where it is not, and we can see the first examples. Later we look at the direction taken by D. Craven in chracteristic p dividing G, and possible future work coming from this for all Hopf algebras.