



Contribution ID: 7

Type: **Invited research talk**

Chromatic Gorenstein descent

Wednesday, 1 July 2015 09:00 (50 minutes)

It is elementary that ku (with coefficients $Z[v]$) is Gorenstein of shift -3 .

It follows that KU (with coefficients $Z[v, 1/v]$) is Anderson self-dual (with shift one more) and by descent that ko is Gorenstein of shift -5 and KO is Anderson self-dual (of shift one more).

There are a number of similar examples arising from topological modular ($tmf(2)$, $tmf(3)$) and automorphic forms. The talk will describe the general context, how to predict the change in shifts under descent, and some particular cases (Joint work with Vesna Stojanoska).

Summary

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