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Title: Sheared Witt vectors (after V. Drinfeld, E. Lau, and T. Zink)

Abstract: Motivated by Dieudonné theory, V. Drinfeld and E. Lau introduced a "decompletion" of the ring of Witt vectors $W(R)$ of a derived p -complete ring R such that $(R/p)_{\text{red}}$ is perfect, extending a construction of T. Zink. I will explain various characterizations of this decomposition (called the sheared Witt vectors) and some examples.

I will also explain two applications: a conjectural description of p -divisible groups over such rings (due to Drinfeld and Lau), and a decomposition of the stack of prismaticization. (Joint work in progress with Bhargav Bhatt, Vadim Vologodsky, and Mingjia Zhang, and partially also with Artem Kanaev.)