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14853-4201. *Root Discriminant bounds in infinite towers number fields.* Preliminary report.

This talk will be a report on recent joint work in progress with Hajir and Maire on root discriminant bounds in towers of number fields. We will give examples of infinite totally real and totally complex towers of number fields,  $\{K_n\}$ , with new records on  $\limsup \text{Disc}(K_n)^{1/[K_n:\mathbb{Q}]}$ . (Received February 20, 2018)