## Bounding the Iwasawa invariants of Selmer groups

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Let p be a rational prime. After recalling some basic notation from Iwasawa theory, we study the growth of p-primary Selmer groups of abelian varieties with good and ordinary reduction at p in  $\mathbb{Z}_p$ -extensions of a fixed number field K. Proving that in many situations the knowledge of the Selmer groups in a sufficiently large number of finite layers of a  $\mathbb{Z}_p$ -extension of Ksuffices for bounding the over-all growth, we relate the Iwasawa invariants of Selmer groups in different  $\mathbb{Z}_p$ -extensions of K.