

## On parametric sets of regular Galois extensions over number fields

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The Beckmann-Black problem for a group  $G$  over a field  $k$  asks whether every Galois extension of  $k$  with group  $G$  arises as a specialization of a  $k$ -regular Galois extension with group  $G$ . We discuss new results on variants of the Beckmann-Black problem over number fields. In particular, we show (under relatively weak assumptions on the group  $G$ ) that no finite set  $S$  of  $k$ -regular  $G$ -extensions is “ $G$ -parametric”, i.e. not all  $G$ -extensions of  $k$  are specializations of elements of  $S$ .