

NUMBER THEORY
COLLOQUIUM

Descent and base change with view towards the Artin conjecture

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Abstract: The Langlands functoriality conjecture is a powerful unifying force in mathematics, illuminating connections between (at least) number theory, representation theory, mathematical physics, and algebraic geometry. It has only been established in limited, though important cases. In this talk we focus on a particular consequence of Langlands functoriality, namely the Artin conjecture, and use it as a touchstone to explain what is known and a new approach to move beyond it.

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MATHEMATICS AND COMPUTER SCIENCE
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