

# **A SHORT TALE ON REGULARITY THEORY, GÅRDING INEQUALITIES, AND UNIQUENESS RESULTS FOR QUASICONVEX INTEGRALS**

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In this talk we will discuss some regularity results for local minimizers of quasiconvex integrals; some of these concern integrands with lower order terms, in connection with the work of Kristensen and Taheri. Furthermore, we will discuss sufficient conditions for the uniqueness of global minimizers in the strongly quasiconvex case, which is known to fail in general, even for strongly polyconvex integrands. Part of this talk concerns joint work with Jan Kristensen, but ultimately it is all inspired by what I have learnt from him.