

# Approaches to Supercompilation

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**Abstract.** My student Max Bolingbroke and I have been studying supercompilation, with a view to making GHC into a supercompiler. In this talk I'll describe various approaches that we have explored, and focus on the one we are pursuing right now. A well-known practical challenge in supercompilation is over-specialisation and code explosion. I will present some ideas we have developed to tackle this problem.