

# Rethinking Quantum Field Theory



DESY THEORY WORKSHOP  
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**Rethinking  
Quantum Field Theory**

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## Progress in constructing epsilon form of differential equations for master integrals with Fuchsia

*Wednesday 28 September 2016 17:35 (20 minutes)*

We review Fuchsia: an open-source tool for constructing epsilon form of differential equations for Feynman master integrals based on the Lee algorithm. We show several examples of its application to various problems in Quantum Field Theory which require virtual and real momenta integration. We discuss current status of the project and possible extensions in the future.

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