

TEICHMÜLLER DILATIONS OF VARYING HUES: FROM COMPLEX TEICHMÜLLER THEORY TO IUT TO GT

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In this talk, we will survey recent progress in the theory of the Grothendieck-Teichmüller group (GT) that applies techniques from both classical number theory and combinatorial anabelian geometry --- all in a framework that is motivated by and reminiscent of inter-universal Teichmüller theory (IUT), and whose roots may be traced back to the classical complex Teichmüller theory of the 1920's, i.e., the mathematics of roughly a century ago.