

# The map asymptotics constant $t_g$ .

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## **Abstract**

The constant  $t_g$  appears in the asymptotic formulas for a variety of rooted maps on the orientable surface of genus  $g$ . Heretofore, studying this constant has been difficult. A new recursion derived by Goulden and Jackson for rooted cubic maps provides a much simpler recursion for  $t_g$  that leads to estimates for its asymptotics.