Quasimorphisms on groups that act on trees.

We construct efficient quasimorphisms on groups that act on trees and show that their defect is at most 6. Calculations in the Baumslag–Solitar group $BS(2, 3)$ show that this is the smallest possible defect that can be achieved in this generality. A consequence of our result is that every suitable element of a group that acts on a tree must have stable commutator length at least $1/12$. In Baumslag–Solitar groups, we show that no element can have stable commutator length between 0 and $1/12$. (Received July 22, 2017)