

# On reduced Beltrami equations and linear families of quasiregular mappings

Jarmo Jääskeläinen

## **Abstract**

We give a positive answer to a conjecture of K. Astala, T. Iwaniec, and G. Martin on reduced Beltrami equations. Moreover, we use it to study differential expressions related to two-dimensional linear families of quasiregular mappings and prove that the associated general Beltrami equation is unique.