1038-37-103 Michał Misiurewicz* (mmisiure@math.iupui.edu), Department of Mathematical Sciences, IUPUI, Indianapolis, IN 46202-3216, and Ana Rodrigues. On the tip of the tongue.

We study the shape of the boundaries of the tongues, and the behavior close to their tips, for the family of double standard maps $f_{a,b}(x) = 2x + a + (b/\pi)\sin(2\pi x) \pmod{1}$. It turns out that the shape is fairly regular, mainly due to the real analyticity of the maps. (Received February 01, 2008)