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# Level Sets of the Takagi

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# Function: Generic Level Sets

[Jeffrey C.  
Lagarias,  
Zachary  
Maddock](#)

*(Submitted on 14  
Nov 2010 (v1), last  
revised 17 Nov 2010  
(this version, v2))*

The  
Takagi  
function  
 $\tau : [0, 1] \rightarrow [0, 1]$  is a  
continuous  
non-  
differentiable  
function