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Parametric  
Tests of  
Structure  
for High  
Angular  
Resolution  
Diffusion  
Imaging  
in Q-

# Space

Sofia C. Olhede,

Brandon

Whitcher

*(Submitted on 16  
Nov 2010)*

High  
angular  
resolution  
diffusion  
imaging  
data is  
the  
observed  
characteristic  
function  
for the  
local  
diffusion  
of water  
molecules  
in tissue.  
This  
data is  
used to  
infer  
structural  
information  
in brain  
imaging.