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## Spectral

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# Statistics of "Cellular" Billiards

[Boris Gutkin](#)

*(Submitted on 1  
Oct 2010)*

For a  
bounded

planar  
domain  
 $\Omega^0$   
whose  
boundary  
contains  
a  
number  
of flat  
pieces  
 $\Gamma_i$   
we  
consider  
a family