

## ***Friendly Bisections of Random Graphs***

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**Time: Oct. 25th, 9:00 - 10:00**

**Zoom meeting ID: 827 3501 6070 Password: 121323**

**Link: <https://zoom.com.cn/j/82735016070>**

**Abstract:** We prove that with high probability, the random graph  $G(n, 1/2)$  on an even number of vertices admits a partition of its vertex set into two parts of equal size in which  $n - o(n)$  vertices have more neighbours on their own side than across. This settles an old conjecture of Furedi from 1988, which also appears as Problem 91 in Green's list of 100 open problems.