

A 3D scatter plot showing the number of nodes in the largest component (z-axis) as a function of  $g$  (x-axis) and  $h$  (y-axis). The x-axis ( $g$ ) ranges from 0 to 10, and the y-axis ( $h$ ) ranges from 0 to 10. The z-axis represents the number of nodes, ranging from 600 to 1600. The color of the points indicates the value on the z-axis, with a color bar on the right ranging from 600 (blue) to 1600 (red). The plot shows a sharp increase in the number of nodes in the largest component as  $g$  and  $h$  increase, particularly for  $g \geq 6$  and  $h \geq 6$ .

