

1151-60-212

**Philippe Sosoe\***, psosoe@math.cornell.edu, NY -, and **Lily Wang**. *A bound for the radial chemical distance in critical percolation.*

The chemical distance in critical percolation is the graph distance inside percolation clusters. We will discuss results concerning the chemical distance for two-dimensional critical percolation, and introduce a new estimate comparing the distance from the origin to the Euclidean distance  $n$  which builds on previous joint work with Damron and Hanson for the length of crossings.

Joint work with Lily Wang. (Received August 19, 2019)