

Homework Project 2

Given 10/16/2013, Due 10/30/2013

Implement the randomized incremental algorithm to compute the smallest circle containing a given set of points in the plane.

You should write a function

- `void circumcircle(int n, double *pts, double *radius, double *center)`

which has as parameters the number of points `n` and the $n \times 2$ array `pts` of point coordinates, as well as a return variable for the resulting `radius`, and a return vector (pair) of the resulting circle `center` coordinates.

Submit your source code (the function) by mail to `peter@cs.ccny.cuny.edu`.