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CP.4.5.4.b, Sauer3

Find the point (x, y) and distance K that minimizes the sum of squares distance to the circles with radii increased by K, as in Example 4.23. Plot the results.

Circles with centers $(1,1),\ (1,-1),\ (-1,1),\ (-1,-1),$ and (2,0) and all radii 1.