

Exercises

E11.0.6 [OYQ] Let $N'(\rho)$ be the minimum number of balls, with radius ρ and centered in K , that are necessary to cover K : then

$$N'(2\rho) \leq N(\rho) \leq N'(\rho).$$

So the dimension does not change if you require the balls to be centered at points of K .

Solution 1. [OYR]