

(r, D, R) -BLASCHKE-SANTALÓ DIAGRAMS FOR THREE-DIMENSIONAL CONVEX BODIES

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We present complete (r, D, R) -Blaschke-Santaló diagrams for the 1- and 2-norm in 3-space. For each case, we prove one new inequality and show that it completes the description of the diagram. Furthermore, we give a complete description of the values the inradius, circumradius and diameter of a three-dimensional body can attain, when we consider generalized normed spaces.