



CONGRESO DE JÓVENES INVESTIGADORES

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Contact measures in isotropic spaces

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Contact measures were introduced by Firey, and were subsequently studied by Schneider and Teufel among others, to measure the set of positions in which a moving body touches a fixed one. After revisiting this subject under the new perspective of the theory of valuations on manifolds, we will show how contact measures provide a link between the integral geometry of curved isotropic spaces and the kinematic formulas for area measures recently studied by Wannerer.

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