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On the X-ray numbers of 3-dimensional convex bodies

P. Soltan (1972) introduced the concept of X-ray numbers of convex bodies. According to a conjecture of K. Bezdek and T. Zamfirescu (1991), the X-ray number of any 3-dimensional convex body is at most 6. I give a proof of this conjecture for any convex body with affine symmetry.