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26003. *Using Rotations, If You Can Hide Behind It, Can You Hide Inside It?*

Let  $K, L$  be convex sets in  $\mathbb{R}^3$ . If every projection of  $K$  can be rotated to be contained in the corresponding projection of  $L$ , does that imply that  $K$  is contained in  $L$ ? (Received September 20, 2016)