1161-52-93 Sergii Myroshnychenko* (myroshny@ualberta.ca). On visual recognition and non-central sections.

Assume that Earth is made out of a transparent glass and contains a convex body K in its interior. Let K be seen as a disk from every point on the planet's surface, possibly of different radii. Can one conclude that K is a Euclidean ball? What if it is always seen as an ellipse or a polygon?

We provide known and most recent results that answer **all** of the questions above, as well as their dual counterparts for non-central sections of convex bodies. (Received August 11, 2020)