

22. The “*tgtbt feel*” of [Note 1](#) was justified:- Consider a homeomorphism of a rectangularly tiled euclidean plane which rotates a small disk around the center of each page by ninety degrees, with these rotations tapering off to the identity in a slightly bigger disk still within that tile. Clearly it is a quasi-isometry at a bounded distance from the identity, indeed, if the radii of the disks are small enough, it is arbitrarily close to the identity. All this remains true when we just transfer this geometry to an open rectangle, three times the size of any tile, by successively halving—in the rings of rectangles around it—the scale in directions transverse to the shared edge or vertex. However, with respect to its euclidean distance, this is *not* a quasi-isometry of the open rectangle: near its boundary are small edges whose length gets multiplied by an arbitrarily big number when we apply this homeomorphism. \square