

1155-52-244 **Victor Glasgo*** (victor.glasgo@case.edu). *Gravitational illumination bodies*. Preliminary report.

We introduce a new class of convex bodies, the gravitational illumination bodies. We show some of their properties and explore their relation to affine surface area of convex bodies.

Based on joint work with Yiting Cao, Andreas Kreuml and Elisabeth M. Werner. (Received January 14, 2020)