## **ELISABETH WERNER**,

Floating bodies for ball-convex bodies

Abstract: We define floating bodies in the class of n-dimensional ball-convex bodies. A right derivative of volume of these floating bodies leads to a surface area measure for ball-convex bodies which we call relative surface area. We show that this quantity is a rigid motion invariant, upper semi continuous valuation.

Joint work with C. Schuett and D. Yalikun.