$\ \, \odot$  2021 Heldermann Verlag Journal of Convex Analysis 28 (2021) 457–470

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# An Extension Result for Generalised Special Functions of Bounded Deformation

We show an extension result for generalised special functions of bounded deformation  $(GSBD^p)$ , for every p > 1 and any dimension  $n \ge 2$ . The proof is based on a recent result of F. Cagnetti, A. Chambolle, and L. Scardia, showing that a function u in  $GSBD^p$  with a "small" jump set coincides with a  $W^{1,p}$  function, up to a small set whose perimeter and volume are controlled by the size of the jump of u.

**Keywords**: Free-discontinuity problems, functions of bounded deformation, Griffith's energy.

MSC: 49Q20, 70G75, 74R10.