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**Title:** Some properties of generalized higher-order convexity

**Author(s):** Szymon Wąsowicz

The generalized divided differences are introduced. They are applied to investigate some properties characterizing generalized higher-order convexity. Among others some support-type property is proved.

**Address:**

Szymon Wąsowicz  
Department of Mathematics  
University of Bielsko-Biała  
Willowa 2  
43-309 Bielsko-Biała  
Poland  
*E-mail:* swasowicz@ath.bielsko.pl