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Almaz Butaev and **Galia Dafni*** (galia.dafni@concordia.ca), Department of Mathematics and Statistics, 1455 de Maisonneuve Blvd. West, Montreal, Quebec H3G 1M8, Canada. *Extension of functions of vanishing mean oscillation in a domain.*

We prove an analogue for VMO of the extension theorem of P. Jones, which gives a necessary and sufficient condition on a domain in \mathbb{R}^n in order for functions of bounded mean oscillation in the domain to be extendable to functions in $BMO(\mathbb{R}^n)$. The construction of the extension follows the work of Jones and Brezis-Nirenberg. (Received September 20, 2018)