Aseel Farhat* (af7py@virginia.edu), Aseel Farhat, 141 Cabell Drive, Kerchof Hall, P.O. Box 400137, Charlottesville, VA 22904-4137, and Zoran Grujić and Keith Leitmeyer. The space $B^{-1}_{\infty,\infty}$, volumetric sparseness, and 3D NSE.

In the context of the $L^\infty$-theory of the 3D NSE, it is shown that suitable smallness of a solution in Besov space $B^{-1}_{\infty,\infty}$ suffices to prevent a possible blow-up. (Received August 16, 2016)