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Yanyan Li* (yyli@math.rutgers.edu) and **Zhuolun Yang**. *Regular solutions of the stationary Navier-Stokes equations on high dimensional Euclidean space*. Preliminary report.

We study the existence of regular solutions of the incompressible stationary Navier-Stokes equations in n -dimensional Euclidean space with a given bounded external force of compact support. In dimensions $n \leq 5$, the existence of such solutions was known. In this paper, we extend it to dimensions $n \leq 15$. (Received March 07, 2021)