1063-35-231   **Alexey Cheskidov*** (`acheskid@math.uic.edu`), University of Illinois at Chicago, 322 Science and Engineering Offices, 851 S. Morgan Street, Chicago, IL 60607. *Beale-Kato-Majda type regularity criteria for the 3D Navier-Stokes equations.*

We present a new Beale-Kato-Majda type regularity criterion for the 3D Navier-Stokes equations. This criterion is weaker than every Ladyzhenskaya-Prodi-Serrin condition. (Received August 17, 2010)