

I will discuss a few new results. One of them is about the solvability in Sobolev spaces $W_p^{1,2}$ for nondivergence form second-order parabolic equations for $p > 2$ close to 2. The leading coefficients are assumed to be measurable in the time variable and two coordinates of space variables, and almost VMO (vanishing mean oscillation) with respect to the other coordinates. This implies the W_p^2 -solvability for the same p of nondivergence form elliptic equations with leading coefficients measurable in two coordinates and VMO in the others. This gives rise to an unusual and highly nontrivial problem which will be stated.