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Oblique derivative problem for uniformly elliptic operators with VMO coefficients and applications

Strong solvability in Sobolev spaces $W^{2,p}(\Omega)$ will be discussed for the *regular oblique derivative problem* for second order uniformly elliptic operators with VMO-principal coefficients. The results will be applied to the *degenerate (tangential) oblique derivative problem* in the case of neutral vector field prescribing the boundary operator.

The results are obtained in collaboration with Antonino Maugeri.