

## HIGHER DIFFERENTIABILITY FOR SOLUTIONS OF ELLIPTIC SYSTEMS WITH SOBOLEV COEFFICIENTS

Let  $n \geq 2$  and let  $\Omega$  be a bounded open set in  $\mathbb{R}^n$ . We provide higher differentiability results for local solutions of elliptic systems of the type

$$\operatorname{div}A(x, Du) = 0 \quad \text{in } \Omega \subset \mathbb{R}^n,$$

with coefficients in Sobolev spaces. We find that differentiability assumptions on  $A$  transfer to  $Du$  with no losses in the order of differentiation.