

16.4 Implicit function theorem

[2D4]

We will use the Implicit Function Theorem, in the multivariable version (Theorem 7.7.4 in [3]). We recall it here for convenience, with some small changes in notations.

Theorem 16.46 (Implicit function theorem in \mathbb{R}^n). [1GD]

Exercises

E16.47 [1GF]

E16.48 [1GJ]

E16.49 [1GF]

E16.50 [1GQ]

E16.51 [1GS]

E16.52 [1GW]

16.4.1 Extensions

Now let's see some variations of the "standard" theorem.

Exercises

E16.53 [1GX]

E16.54 [1GZ]

E16.55 [1H1]

E16.56 [1H3]