

## ERRATA TO THE LECTURES ON MAPPINGS OF FINITE DISTORTION

- page 25, line 3:  $\int_{B(0,1)} J_{f_k} = |B(0,1)|$  instead of  $\int_{B(0,1)} J_{f_k} = 1$
- page 26, line 1:  $\sum_{i=1}^{n-1}$  and not  $\sum_{i=1}^n$
- page 26, proof of Lemma 2.14: We need additionally that  $|B_{i+1}| \leq C|B_i|$  and  $B_i \subset B_{i+1}$  for  $i \geq 1$
- page 48, Remark 3.12 (f):  $H(x,1) = g(x)$  instead of  $H(1,x) = g(x)$
- page 59, line -9:  $f(B(z,r))$  is open instead of  $f(B(x,r))$
- page 65, line 5:  $|f(U)|$  and not  $f(U)$
- page 167, Theorem A.42: There should be  $\varphi \in C^\infty$  and not  $C_C$ . This is used only in Theorem 3.15 for  $C^\infty$  function.
- page 169, reference 15: The author is Černý R. and not Černý J.

Please let us know if you find some other bug in the book.

The following open problems have been already solved:

Open problem 13 is solved in J. Onninen and V. Tengvall, *Mappings of  $L^p$ -integrable distortion: regularity of the inverse*, Proc. Roy. Soc. Edinburgh Sect. A 146 (2016), no. 3, 647-663.

Open problem 14 is solved in S. Hencl and B. Vejnar, *Sobolev homeomorphism that cannot be approximated by diffeomorphisms in  $W^{1,1}$* , Arch. Rational Mech. Anal 219 no.1 (2016), 183-202.

Open problem 18 is solved in A. Rabinä, *Mappings of exponentially integrable distortion: decay of the Jacobian*, preprint 2016.