## Erratum to "Lebesgue spaces with variable exponent on a probability space"

Hiroyuki Aoyama (Received February 18, 2010)

There is an error in the paper, Lebesgue spaces with variable exponent on a probability space, Hiroshima Math. J. 39, No. 2 (2009), 207–216. In the proof of Corollary 1, it was asserted that, in order to prove that (i) implies (ii),  $f = (f_n)$  can be assumed to satisfy the inequality  $||f_{\infty}||_{p(\cdot)} \le 1$ . This is, however, an unavoidable error. To my regret, I cannot yet fix this problem. So I withdraw the assertion that (i) implies (ii).

Hiroyuki Aoyama
Department of Mathematics
University of Toyama
3190 Gofuku, Toyama 930-8555, Japan
E-mail: aoyama@math.u-toyama.ac.jp

<sup>2000</sup> Mathematics Subject Classification. Primary 46E30; Secondary 60G42.

Key words and phrases. Generalized Lebesgue space, variable exponent, martingale, Doob's inequality.