

This list contains corrections of misprints/errors in the book.

Please let me know of any further misprints/errors by e-mail to a.ranicki@ed.ac.uk

A.A.R. 26.12.1998

Page 7, line 1 Replace ‘category category’ by ‘category with involution’

Page 11, line –3 and Page 44, line –4 Replace ‘Lemma 1.4’ by ‘Lemma 1.2’

Page 23, lines 9–16 Remove ‘The image of ... by 3.1’ and replace by :

‘Let  $\pi_1(\epsilon^+) = \pi$ . The map  $\tilde{K}_0(\mathbb{Z}[\pi]) \longrightarrow \tilde{K}_0(\mathbb{Z}[\pi_1(W)])$  induced by the inclusions  $W_b \longrightarrow W$  sends the end obstruction  $[\epsilon^+]$  to the finiteness obstruction  $[W]$ . The end has a finitely dominated open neighbourhood which is the infinite cyclic cover  $\overline{M}$  of a compact  $n$ -dimensional manifold  $M$  with  $\pi_1(M) = \pi \times \mathbb{Z}$ ,  $\pi_1(\overline{M}) = \pi$ . The product  $\overline{M} \times (\mathbb{R}^+, \{0\})$  has a preferred  $(\mathbb{R}^+, \{0\})$ -bounded finite structure, and there is defined an  $(\mathbb{R}^+, \{0\})$ -bounded homotopy equivalence  $f : (W, \partial W) \longrightarrow \overline{M} \times (\mathbb{R}^+, \{0\})$  with  $(\mathbb{R}^+, \{0\})$ -bounded torsion

$$\tau(f) = [\epsilon^+] - [\overline{M}] = (-)^n [\epsilon^+]^* \in Wh(\mathbb{C}_{\mathbb{R}^+, \{0\}}(\mathbb{Z}[\pi])) = \tilde{K}_0(\mathbb{Z}[\pi]) .$$

(See §7 for the isomorphism  $Wh(\mathbb{C}_{\mathbb{R}^+, \{0\}}(\mathbb{Z}[\pi])) \cong \tilde{K}_0(\mathbb{Z}[\pi])$ , and §13 for duality.)’

Page 78, line 7 Replace  $zp + 1 - z$  by  $zp + 1 - p$

Page 79, lines 11–12 Should read :

‘regular at a point  $* \in S^1$ , so that  $U = p^{-1}(\{*\})$  is a codimension 1 framed submanifold of  $X$ , and cutting  $X$  along  $U$  defines a compact’

Page 106, line 7 Should read :

‘... open  $(m + n)$ -dimensional manifolds ’

Page 124, line –3 Should read :

$$\xrightarrow{\partial} L_{n-1}^{J_b}(\mathbb{P}_{\mathcal{N}_b(X^+, X^-, X)}(\mathbb{A})) \longrightarrow \dots ,$$

Page 137, line –12 and Page 138, line 8 Should read  $\sigma_*^b(e, a)$

Page 161, line –3 Should read :

$$(B \oplus N_+ \oplus N_-)\Phi^-(E) = ([E]_+, [i^!E/\zeta^{-N^+}E^+, \zeta], [i^!E/\zeta^{N^-}E^-, \zeta^{-1}])$$

Page 171, line –10 Should read :

[84] — *Surgery on compact manifolds* Academic Press (1970)