Combinatorial Novikov-Morse theory
Robin Forman
`https://math.rice.edu/~forman/novall.ps`
version of 1999
Errata and addenda by Darij Grinberg

7. Errata and addenda

The following list contains some corrections and comments to Robin Forman's paper "Combinatorial Novikov-Morse theory". I refer to the preprint version of 1999 of this paper (available from `https://math.rice.edu/~forman/novall.ps`), but some of the errors listed below might also be contained in the published version.

I have only skimmed the first half of the paper, so the list below is probably far from comprehensive, but I hope it is still of use.

- **page 3:** The "$>$" sign after "Let K denote the set of open cells of M" should be a period.
- **page 3:** In the definition of a critical cell, replace "$f(\gamma) \leq f(\alpha)$" by "$f(\gamma) \geq f(\alpha)$".
- **page 5:** In the displayed equation

$$\#\left\{\gamma^{(p-1)} < \alpha \mid \omega(\gamma > \alpha) \leq 0\right\} = 0,$$

  replace "$\omega(\gamma > \alpha)$" by "$\omega(\alpha > \gamma)$".
- **page 6:** The period at the end of the displayed equation

$$\langle \partial_t \beta, \alpha \rangle = e^{t\omega(\beta<\alpha)} \langle \partial\beta, \alpha \rangle$$

  should be a comma.
- **page 6:** In the last displayed equation of this page, replace "$\partial_t \partial_t^* \to \partial_t^* \partial_t$" by "$\partial_t \partial_t^* + \partial_t^* \partial_t$".
- **page 7:** "has a limits" $\to$ "has a limit".
- **page 11:** "in which we must work" $\to$ "we must work".
- **page 12:** In the complex just above Theorem 1.2, there is a redundant parentheses "$)$".
- **page 14:** "which maps each" $\to$ "which map each".

- **page 15:** "which maps each" $\to$ "which map each".
- **page 17:** "for ant F" $\to$ "for any F".
- **page 17:** On the very last line of this page, "$\omega(\alpha > \beta) + \omega(\beta > \alpha)$" should be "$\omega(\alpha > \beta) + \omega(\beta > \gamma)$".
- **page 19:** Replace "$[\delta] = H^1(M, \mathbb{R})$" by "$[\delta] \in H^1(M, \mathbb{R})$".
- **page 20, Definition 2:** Replace "2)" by "(2)".
- **page 33:** "$2x2$" $\to$ "2×2".