

# Errata for Automated Planning and Acting 0504 Ver.

Ruofei Du ([ruofei@cs.umd.edu](mailto:ruofei@cs.umd.edu))

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Dear Prof. Nau,

Thank you for sharing the latest and thoughtful textbook with us. It did help us follow the latest cutting-edge techniques in AI planning by integrating planning and acting together. To *improve the textbook* and for *potential extra credits*, here are some errata (altogether 38 typos or suggestions) by Ruofei (all page numbers correspond to the page numbers labeled at top right of the header):

## Chapter 1

- P2. Bullet 2, in teh environment -> in the environment
- P3. to chose the action -> to choose the action
- P5. performs a action -> performs an action
- P5. in pevious sections -> in previous sections
- P6. and teh design much more -> and the design much more
- P13. to actually pickup the book -> To actually pick up the book
- P16. the receding horoizon -> The recoding horizon

## Chapter 2

- **P32 and more. Suggestion: what about replacing “ $s_0$  satisfies  $g$ ” with  $s_0 \vdash g$ , which is used in Chapter 3, then we have to put it on the symbol page.**
- P44. In 2.5.3, produces an an intermediate state -> produces an intermediate state
- P45. One way to to do this is -> One way to do this is
- P47. Subsumption test, what does “Subsumption” mean?

## Chapter 3

- P74. Example 3.1, a single robot is servicing a harbor navigating in a topological map, searching for a particular container. // correct in grammar, but sounds wired, what about “a single robot is servicing a harbor, navigating in a topological map and searching for a particular container.”
- P77. Example 3.3, stoping -> stopping
- P84. Figure 3.2, Rae would better be RAE
- **P93. SeRPE: We are using  $s \models \tau$ , while I personally prefer  $s \vdash \tau$  since  $s$  is not a set of states but a single state. (Please correct me if I misunderstood these two symbols.)**
- **P103. The indent of the “for each” blocks in ARP-lazy and ARP-interleave should be aligned with Agenda.**

## Chapter 4

- P120. and the conjonction -> and the conjunction
- P121. possibly parametrized -> possibly parameterized

- P130. Example 4.13, performing these tasks are the following -> performing these tasks are the following.
- P150. there is still a need -> there is still a need
- P152. The initial step in Dispatch -> The initial step in Dispatch

## Chapter 5

- **P166. It would be great if all figures are vector format like .eps (if drawn via Illustrator) or .pdf (if drawn via PowerPoint)**
- P166. management facility for an harbour -> management facility for a harbour,
- P175. Figure 5.6 is also an unsatisfyingly bitmap.
- P177, in Example 5.14, which gets then -> which gets then
- P184, with a proposition of length one -> with a proposition of length one
- P186. We define now -> We now define / Now we define
- **P189. Figure 5.13 versus Figure 5.14,  $\text{old}\pi$ ,  $\text{new}\pi$  and  $\text{Old}\pi$ ,  $\text{New}\pi$  are not consistent. Besides, I think that  $\pi_{old}$  and  $\pi_{new}$  are preferred, or we can use  $\pi$  and  $\pi'$  to be consistent with Figure 5.12**
- P190. Figure 5.15,  $\pi_{\text{strongpre}}$  (i.e.  $\pi_{\text{strongpre}}$ ) might be better than  $\text{strongpre}\pi$
- P204. while planing is done -> while planning is done
- P207. to the executin platform -> to the executing platform
- P211. and viceversa. -> and vice versa
- P218. In the title of 5.8, approachess -> approaches
- P224. Viceversa? -> Vice versa?

## Chapter 6

- P166. management facility for an harbour -> management facility for a harbour,
- P177, in Example 5.14, which gets then -> which gets then
- P251, in the depth-first traversal tree constitute a strongly -> in the depth-first traversal tree constitute a strongly
- P251, pseudocode -> pseudo code

Again, many thanks to Prof. Nau and Dr. Shivashankar, I had an enjoyable project and learnt a lot from your lectures and the brilliant textbook.