

ERRATA for *A Gentle Introduction to ROS*
Jason M. O’Kane

This document lists corrections made to successive versions of the book. Each copy—both electronic and printed—lists a version number on its colophon page. Changes more substantial than typographical or formatting corrections are shown in **bold**.

2.1.3 → 2.1.4

- **Page 102: Remove the trailing “/” from the opening group tag.**

2.1.2 → 2.1.3

- Page 79: “mechanisms that for doing” → “mechanisms for doing”

2.1.1 → 2.1.2

- **Page 58: “advertise” → “subscribe”**

2.1 → 2.1.1

- Page 12: “supported by supported by” → “supported by”.
- **Page 12: Add link to <http://wiki.ros.org/indigo/Installation/Source>.**

2.0.3 → 2.1

- **Switched from hydro to indigo.** No substantial content changes.
- Page 3: <http://wiki.ros.org/Repositories> → <http://www.ros.org/browse>.
- **Page 12: Added more details about supported Ubuntu distributions.**
- **Page 12: Switched to secure link for ros.key:**
<http://packages.ros.org/ros.key> → <https://raw.githubusercontent.com/ros/rosdistro/master/ros.key>
- **Page 18: Updated link for stacks:**
<http://wiki.ros.org/Stacks> → <http://wiki.ros.org/rosbuild/Stacks>
- **Page 21: Updated link for rosrn:**
<http://wiki.ros.org/rosrun> → <http://wiki.ros.org/rosbash#rosrun>
- **Page 40: Listing 3.1: Added “TODO” to the licence tag.**
- Page 38: “inside the package directory” → “inside the workspace directory”

- Page 55: “queueing” → “queuing”
- Page 61: “the using insertion” → “using the insertion”
- Page 65: “more compute time” → “more computation time”
- **Page 75: Added include for log4cxx to code snippet.**
- Page 79: “request that unique name” → “request that a unique name”
- Page 105: “the idea that” → “the idea is that”
- **A handful of other minor wording improvements throughout.**

2.0.2 → 2.0.3

- Page 8: Fixed link for ros-users.
- Throughout: “www.ros.org/wiki” → “wiki.ros.org”. (Several of these were missed somehow in the 1.2.1 → 2.0 update.)

2.0.1 → 2.0.2

- Page 22: “names-paces” → “name-spaces”

2.0 → 2.0.1

- Corrected copyright year: “2013” → “2014”
- Page 8: “is still applies” → “still applies”
- Page 8: Added text explaining hydro’s topic name change `command_velocity` → `cmd_vel`.

1.2.1 → 2.0

- **Switched from groovy to hydro, including:**
 - `turtlesim/Velocity` → `geometry_msgs/Twist`
 - `command_velocity` → `cmd_vel`
- **Assorted minor wording improvements throughout.**
- Corrected the typesetting of URLs with spaces.
- Throughout: “www.ros.org/wiki” → “wiki.ros.org”
- Page 44: “project(agitr)” → “project(agitr)”
- Page 88: “See page 4.4.1” → “See page 70”

1.2 → 1.2.1

- Page 58: “for log message” → “for the log message”

1.2

- **Added “small” electronic format.**

1.1.10 → 1.2

- Page 73: Corrected hyphenation of “matched”.

1.1.10

- **Publicly available in print.**

1.1.9 → 1.1.10

- Page 6: Reformatted Figure 1.1.
- Page 35: “author’s website” → “book’s website”
- Page 37: “insist” → “prefer”
- Page 38: “four steps:” → “four steps.”
- **Page 44: “Chapters 5 and 6” → “Chapter 5”**
- Page 51: Removed paragraph break in fast forward block.
- Page 58: “formatting information established” → “formatting configuration established”
- Page 63: “field names, denoted” → “field names, each denoted”
- **Page 72: “Names that don’t” → “Global names that don’t”**
- Page 73: “The idea to understanding” → “The key to understanding”
- Page 83: “that that” → “and that”
- **Page 83: “This element” → “A node element”**
- Page 84: “launch file, and (b) we must” → “launch file, but (b) we must”
- Page 89: Corrected placement of period near marker for footnote 2.
- Page 90: “One important thing” → “There is one important thing”
- **Page 96: “like local variables” → “like (lexical) local variables”**

- Page 101: Replace the first sentence with: “In addition to the messages that we’ve studied so far, ROS provides an alternative mechanism called **parameters** to get information to nodes.”
- **Page 117: “useful things may still happen” → “useful things (that is, side effects) may still happen”**
- Page 118: $(3, 3) \rightarrow (x, y) = (3, 3)$
- **Page 118: “The error occurs because turtlesim requires each turtle to have a unique name.” → “The error occurs because we’ve attempted to create two turtles with the same name.”**
- Page 122: Deleted a comma in the fast forward block.
- Page 127: “relative slow” → “relatively slow”
- Page 129: “experimenting the software” → “experimenting with the software”
- **Page 133: “at the time.” → “at the time we executed that command.”**

1.1.8 → 1.1.9

- **Page 10: “Throughout this book we’ll refer” → “In this book we’ll refer many times”**
- **Page 58: “call to ROS..._STREAM” → “log message”**
- **Page 73: “begin with namespaces” → “begin with a sequence of namespaces”**
- **Page 91: “a topic other than the one we want” → “the ‘wrong’ topic”**

1.1.7 → 1.1.8

- Page 3: “does need to be modified” → “does not need to be modified”
- Page 4: “judgment, the level” → “judgment, is the level”
- Page 4: “This not a textbook” → “This is not a textbook”
- Page 6: Reformatted Figure 1.1.
- Page 8: “an adjectives” → “adjectives”
- Page 9: “a instance” → “an instance”
- Page 10: “refer to simple simulator” → “refer to a simple simulator”
- Page 11: “is initialize” → “is to initialize”
- Page 11: “a OS-independent way” → “an OS-independent way”
- Page 12: “handful values” → “handful of values”
- **Page 20: “in more detail” → “more fully”**

- Page 21: “go to” → “are collected by”
- Page 23: “has a several” → “has several”
- Page 23: “that the all” → “that all”
- Page 26: “published that topic” → “published on that topic”
- Page 29: “Messages types names” → “Message type names”
- Page 34: “enough understand” → “enough to understand”
- Page 34: “simply make” → “simply to make”
- Page 38: “package manifest, using” → “package manifest (package.xml), using”
- Page 47: “way signal” → “way to signal”
- Page 47: “at rate” → “at a rate”
- Page 50: Removed “#include *package_name/type_name.h*”
- Page 54: “like first two” → “like the first two”
- Page 58: “for to the call” → “for the call”
- Page 58: Moved the fast forward block inside the dangerous bend block.
- Page 68: “level things like of bytes” → “level of things like bytes”
- Page 69: “ROS uses implement” → “ROS uses to implement”
- Page 70: “from with ROS programs → “from within ROS programs”
- Page 72: “bases names” → “base names”
- Page 73: “choosing different a default namespace” → “choosing a different default namespace”
- Page 75: “argv, argv” → “argc, argv”
- Page 89: “however are” → “however, are”
- Page 93: “subscribes a topic” → “subscribes to a topic”
- Page 106: “code ensure” → “code to ensure”
- Page 123: “package the owns” → “package that owns”
- Page 125: “data send” → “data sent”
- Page 126: “has same effect” → “has the same effect”
- Page 126: “lifetime that object” → “lifetime of that object”

- Page 130: “message son” → “messages on”
- Page 132: “only replicates a sequence of messages” → “replicates only a sequence of messages”
- Page 137: “of of” → “of”