Mike Delaney’s RHB Hardcopy Review

Here's the story on the handbook.  There are some pages I'll need to scan.  That won't get done until tomorrow.  Many of the issues also show up in the PDF version of the handbook but are more pronounced in the printed edition.

Its possible the printer company doesn’t know how to quality print a PDF file?

02-2:  Equation states a^0 = 1 a != 0 if.  I think that’s a^0 = 1 if a != 0.  Print and PDF issue

I moved the If back to the left as it was in the 2007 Edition.

2-2: xth root of ab equation: the ][ is running together and shows up as a capital I with the top cut off.  This is also in the PDF.

This is the same in the 2007 Edition. I was unable to modify this equation and so far unable to rebuild it with MS Office Equation builder.

2-10 Identities subheading larger than Trigonometry heading.  This also shows up in the PDF

This is no different than page 2-02. I did change Indentities to all caps compatible with 2-02

2-16 the big equation for adj[A] has all of the smaller matrices mis-aligned.  You see this in the PDF but it’s worse in print.

This is the same in the 2007 Edition. I was unable to modify this equation and so far unable to rebuild it with MS Office Equation builder.  
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2-16 Brackets in last matrix equation run together.  You see this in the PDF too.

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2-20 on the bottom three equations the ^ over i j k runs into the letter.  You can see this in the PDF but it’s worse in print.

This is the same in the 2007 Edition. I was unable to modify this equation and so far unable to rebuild it with MS Office Equation builder.

2-27 Both graphs are very hard to read.  These are color in the PDF but printed as black and white, which might be the issue.

I suggest you add this page to the list of those to be printed in color.

2-28: the integral (3rd line of equations) the a and b are different sizes, and run too close to the integral sign.  This does not show up in the PDF

I was able to make a and b the same size but unable to add more space.

2-32: Formula sizes are inconsistent and look bold for some parts.  You can see this in the PDF as well.

I was able to improve this by reducing the size of the objects.

2-33 1st line is an out of place equation.  Does that go on the previous page?  Can see this in the PDF.

This is the same in the 2007 Edition. I see no connection to the previous page.

2-33 No space between Normal and Equations

I added space.

2-34: the font size for the equations varies.  The next page is nice and consistent.  It looks very weird looking at them side by side.

I reduced the object size on 2-35 to match 2-34.

2-42 sin at sin bt expanded the ][ are merged together to look like a bold capital I.  You can see them close together in the PDF but it’s worse in print.

This is the same in the 2007 Edition. I was unable to modify this equation and so far unable to rebuild it with MS Office Equation builder.

4-3 second and 4th equations look bold.  Might be my imagination

This looks OK to me.

4-11 Need an extra space on the last line between delta Pt and != sign.

Added space.

5-15 the test for the small diameter cylinder runs into itself.  You can see this in the PDF but it’s worse in print.

This is the same in the 2007 Edition. This whole picture is one object which I haven’t been able to edit. It looks like the underlined d should be after the = and there is a 10 that doesn’t belong there?

5-21 the first equation needs a space between what’s under the square root sign and the first bracket.  Looks worse in print than the PDF

This is the same in the 2007 Edition. I was unable to modify this equation and so far unable to rebuild it with MS Office Equation builder.

5-24 in the 3rd equation, the world turbulent looks weird, the n is cut off and it looks like the t is bold.  It’s like this in the PDF too

This is the same in the 2007 Edition. I was unable to modify this equation and so far unable to rebuild it with MS Office Equation builder.

6-9 the trig function and operand run into each other for each case in the expanded equations.  You can see this in the PDF but it looks worse in print.

I fixed this by changing the object sizes.

8-22 The box around the last equation makes the Xi variable hard to read.  It looks better but still a little bad in the PDF

I removed the box.

10-3 For the critical altitude terminology it looks weird.  Should be that “can no longer maintain: a) or b)?

I’m not sure what he means, but I fixed the text to conform with the 2007 Edition.

11-12 No x-axis markings

This is the same all the way back to the 1st Edition. I have been unable to find the original graph to see if it is the problem or can be improved.

11-13 No USEFUL x-axis markings, there’s a very fine scale and a courser scale, neither of which appear to line up with the labels on the axis

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11-18 First reference reads “Light Aircraft Performance for Test Pilots and Flight Test Engineers,” Flight Re

search Inc., Mojave CA, 1982.”

Note both the odd spacing and cutting off the middle of the word research

Fixed.

12-21 Variables for most of the equations are too close together, and can run into each other and brackets.  You can see this in the PDF but I think it looks worse in print

Improved this some by changing object sizes.

13-2 ANSI is referenced as the Acoustic National Science Institute, a google search for them finds nothing.  Typically ANSI is American National Standards Institute.  So either it’s a very old name for a group that’s got a new one or went under, or acronym confusion.

Changed name to American National Standards Institute.

17-8 and 17-9: Looks very weird because 17-8 is sparse.  Can we combine into one page?

These two will not fit on one page.

17-22: Reference says “NASA Smithsonian” which I don’t think is accurate.

Changed to NASM Smithsonian National Air and Space Museum

No references listed for section 19

These were added after the hardcopy printing.