

Alexander J. Johnson

R's Book

Ranford Skyline's Book Template

Fully customised document template including:

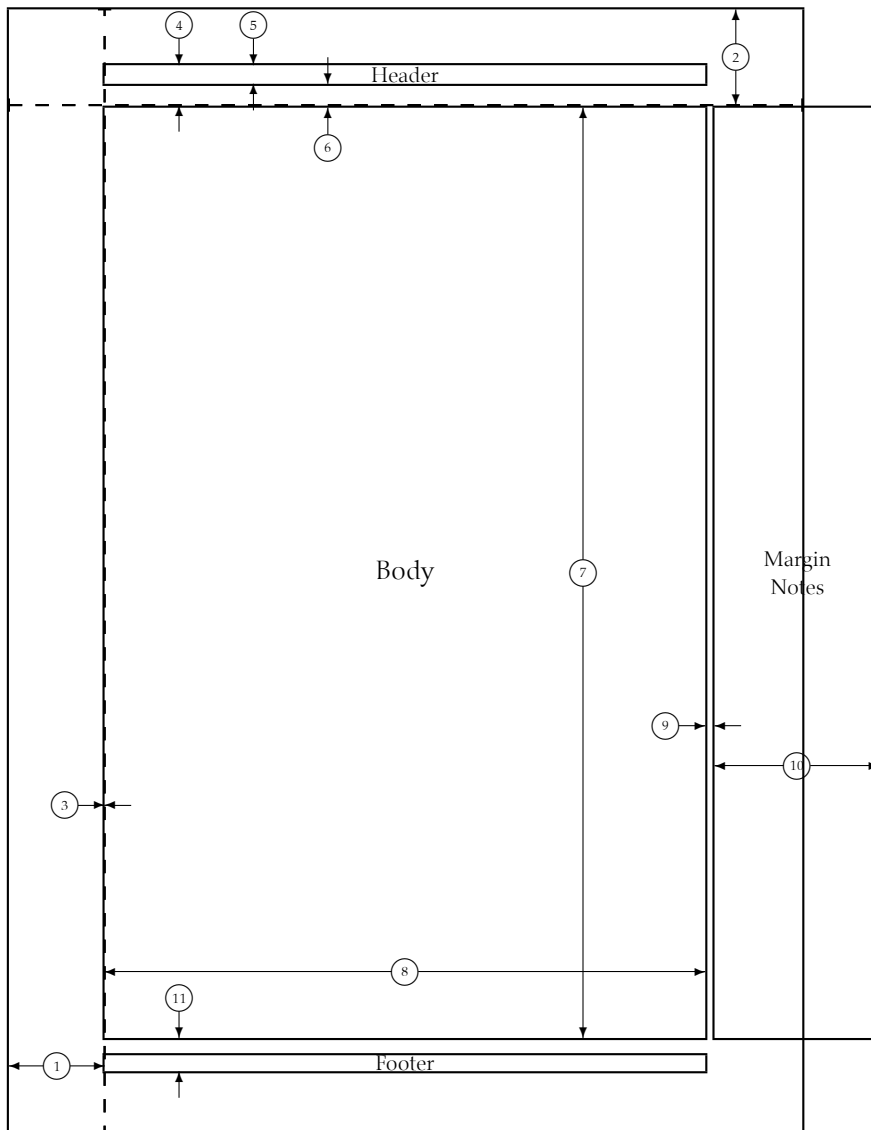
- Custom document hierarchy: book, part, chapter, section, subsection.
- Custom tables of contents.
- Custom fonts.
- Support for:
 - Linguistics,
 - Hyperlinks,
- Some other stuff.

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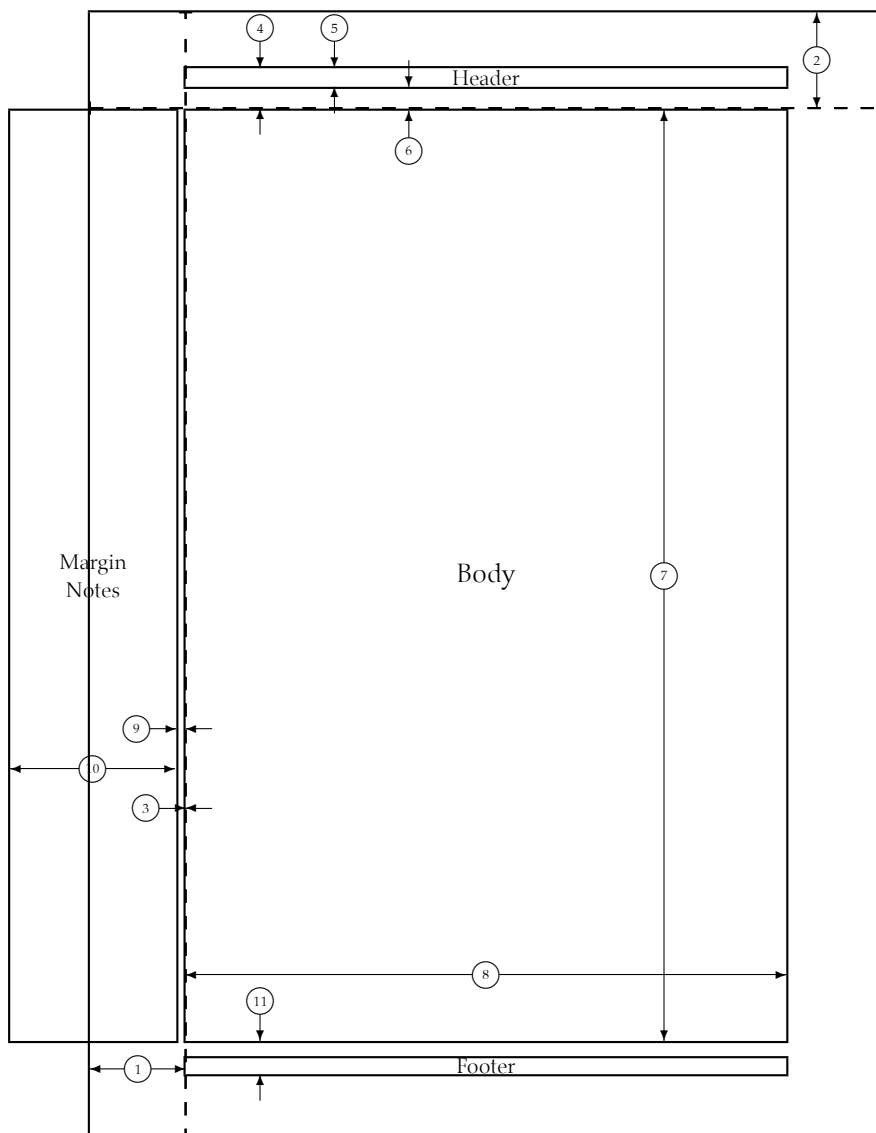
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Volume I

Page Layout



- | | | | |
|----|----------------------|----|----------------------------------|
| 1 | one inch + \hoffset | 2 | one inch + \voffset |
| 3 | \oddsidemargin = 0pt | 4 | \topmargin = -30pt |
| 5 | \headheight = 14pt | 6 | \headsep = 18pt |
| 7 | \textheight = 700pt | 8 | \textwidth = 452pt |
| 9 | \marginparsep = 7pt | 10 | \marginparwidth = 125pt |
| 11 | \footskip = 25pt | | \marginparpush = 5pt (not shown) |
| | \hoffset = 0pt | | \voffset = 0pt |
| | \paperwidth = 597pt | | \paperheight = 845pt |



- | | | | |
|----|-----------------------|----|----------------------------------|
| 1 | one inch + \hoffset | 2 | one inch + \voffset |
| 3 | \evensidemargin = 0pt | 4 | \topmargin = -30pt |
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| | \hoffset = 0pt | | \voffset = 0pt |
| | \paperwidth = 597pt | | \paperheight = 845pt |

Testing

Math Fraktur - Giffib : "The quick brown fox jumped over the lazy dog."
 ԶԻԵԾԵՇԾԻԴԴԿԼՄՈՂԻՓՆՈՋԵԴԱՅՈՅԱՅԻՅԻԶ
 abcdefghijklmnopqrstuvwxyz
 0123456789

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

False

Hello World!

$$B_n(t) = \sum_{i=0}^n \binom{n}{i} t^i \left(\sum_{j=0}^i \binom{i}{j} x_j (-1)^{i-j} \right)$$

TODO: *This bit*

Hi, Beans!

Go away...

This is the start of some text:

1. enumeration item number one;
2. another item,
 - a. nested enumerate,
 - b. more stuff;
3. "A can o' beans."

More text that follows after it:

- itemize item number one;
- another item,
 - nested itemize,
 - more stuff;
- "No more beans for you..."

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

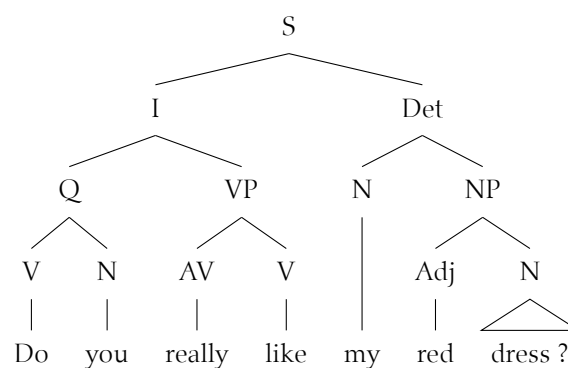
Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

1. alpha
 - a. beta
 - i. gamma

alpha 1., beta 1.a., gamma 1.a.i..

Alla nasa ero monite
 Alla nasa ero monite
 polo Anne jena golly quack
 polo Anne jena golly quack

A test of the IPA command **/ɪʌkə/**.





$$0 = \partial_\mu |\mathbb{l}(\mu) - \mathfrak{p}|$$

$$|\mathbb{l} - \mathfrak{p}|^2 = |\underline{\mathfrak{a}} + \mu \underline{\mathfrak{a}} \underline{\mathfrak{b}} - \mathfrak{p}|^2$$

Quaternions are defined by the equation

$$\mathfrak{i}^2 = \mathfrak{j}^2 = \kappa^2 = \mathfrak{i}\mathfrak{j}\kappa = -1.$$

By considering pairs of terms, it is found that:

$$\begin{array}{ll} \mathfrak{i}\kappa = \mathfrak{i}^2, & \mathfrak{j}\kappa = \mathfrak{i}, \\ \mathfrak{i}^2 = \mathfrak{j}\kappa\mathfrak{i} = \mathfrak{j}^2, & \kappa\mathfrak{i} = \mathfrak{j}, \\ \mathfrak{i}\kappa = \kappa^2, & \mathfrak{i}\mathfrak{j} = \kappa. \end{array}$$

By multiplying pairs of terms, it is found that:

$$\begin{array}{l} \mathfrak{i}\mathfrak{j}^2 = \mathfrak{i}\mathfrak{j}\mathfrak{j} = \kappa\mathfrak{j} = -\mathfrak{i}, \\ \mathfrak{i}^2\mathfrak{j} = \mathfrak{i}\mathfrak{j} = \mathfrak{i}\kappa = -\mathfrak{j}, \\ \mathfrak{j}^2\kappa = \mathfrak{j}\mathfrak{j}\kappa = \mathfrak{j}\mathfrak{i} = -\kappa. \end{array}$$

Note that the multiplication of quaternions is associative, but not commutative.

Kirj of þe dirt.

Code test

```

1  jobname = "RSkyl"
2  repeats = 1
3
4  make_pdf = 'lualatex --shell-escape --interaction=nonstopmode -jobname="' ..
5              jobname..' " Main.tex'
6  make_bib = "biber " .. jobname
7  make_pdf_null = make_pdf.." > /dev/null"
8  make_bib_null = make_bib.." > /dev/null"
9
10 path_internal = "RSkylInternal/"
11
12 print ("\n\27[1;4;33mDoing Repeat Builds\27[0m\n")
13 for i = 1, repeats do
14     --Iter_file_make (i)
15     print ("iteration:", i)
16     os.execute (make_pdf_null)
17     os.execute (make_bib_null)
18     local tocs_file = io.popen ("ls -l " .. path_internal .. "*.new")
19     for line in tocs_file:lines () do
20         line = line:sub (0, -5)
21         os.execute (("mv %s.new %s.tex"):format (line, line))
22     end
23 end
24
25 print ("\n\27[1;4;33mFinal Build Log\27[0m\n")
26 --Iter_file_make (repeats + 1)
27 res = io.popen (make_pdf)
28 txt = res:read ("*a")
29 res:close ()
30 print ("\27[3m"..txt.." \27[0m")
31
32 print ("\n\27[1;4;33mLaTeX Warnings:\27[0m\n")
33 for warn in txt:gmatch ("! (.-)\n\n") do
34     print ("\27[1;35m"..warn.." \27[0m\n")
35 end
36
37 print ("\n\27[1;4;33mTODO:\27[0m\n")
38 for warn in txt:gmatch ("Package TODO Warning: (.-)%." ) do
39     print ("\27[1;35m".. warn:gsub ('\\n', ' ' ).." \27[0m\n")
40 end
41
42 Clean = {"aux", "nlo", "out", "bbl", "bcf", "blg", "xml", "toc", "lof", "lot",
43         'mx1', 'ly'}
44 for _, extension in ipairs (Clean) do
45     os.execute ("rm -f *" .. extension)
46 end
47 os.execute ("rm -r " .. path_internal .. "*")

```

Volume III

Test Volume

Some volume text

Table of Contents

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Chapter 1

Test Chapter

Some chapter text

Section 1

Test Section

Some section text

Sub-Section i

Test Subsect

Some subsection text