

Semantic MediaWiki

Documentation in the 21st century

Will Swales¹ Owen Kellie-Smith²

¹Blue Actuarial

²Aviva

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Institute
and Faculty
of Actuaries

MediaWiki

- Not new - made for Wikipedia
- Accessed though a browser
- Free, libre, open-source
- Extended by Semantic MediaWiki

1

Documents

- Sharing documents

2

Find

- By title, content, editor

3

Edit

- Flexibility, control, re-use

4

Comment

- Talk pages

5

Broadcast

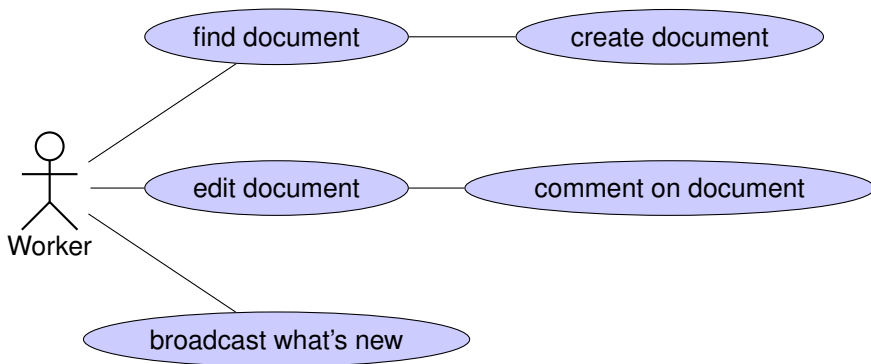
- What's new and who's it from

6

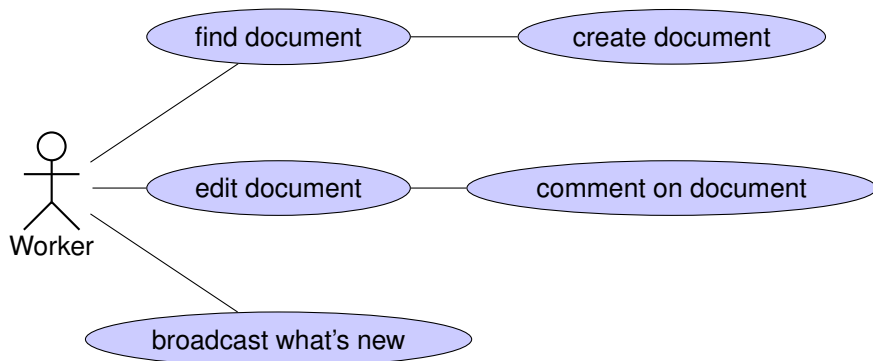
Requirements

- Skills, permissions

What we do all day (share documents)

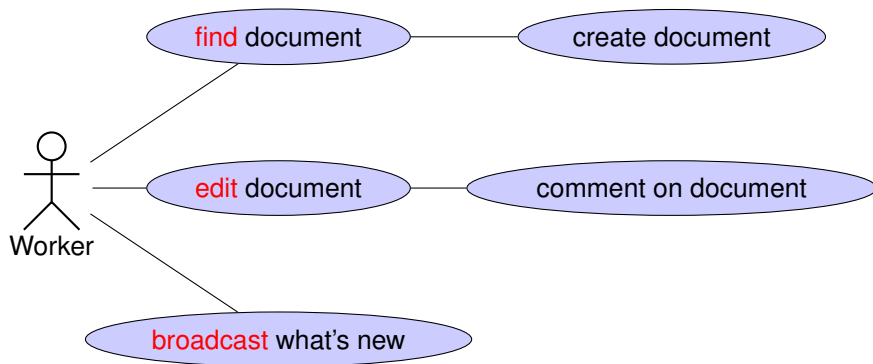


What we do all day (share documents)



Many of us share documents via email and Microsoft Office.

Semantic MediaWiki enables sharing



- 1 Documents
 - Sharing documents
- 2 Find
 - By title, content, editor
- 3 Edit
 - Flexibility, control, re-use
- 4 Comment
 - Talk pages
- 5 Broadcast
 - What's new and who's it from
- 6 Requirements
 - Skills, permissions

Finding documents

- Do we have anything about subject-X?
- Where is that thing person-Y was working on a while ago?

Do we have anything about CPM?

← → M http://modeling.friendslife.co.uk/index.php?title=Main_Page M Modeling Documentation ... X

Page Discussion Read Edit ★ More ▼

Please ensure that you save your work regularly

Main Page

This is the latest revision of this page; it has no gatekept revision.

Contents [hide]

- 1 Recently edited articles
- 2 Recently edited model topics
- 3 New pages
- 4 Recent edits
- 5 Logging in

CPM

- CPM**
- CPM.AGE2 LOAD**
- CPM.AGE LOAD**
- CPM.ANN DEATH**
- CPM.BTC INFO**
- CPM.BTC U FAC**
- CPM.CPM.h-FP With-Profits**
- CPM.Commission**
- CPM.Conceptual data model**
- CPM.Decrements**
- containing...
- CPM

Main page
Recent changes
Random page
Index
Glossary
Issues
Topics
Products

250%

Where is that thing Will was working on?

Recent changes

Random page

Index

Glossary

Issues

Topics

Products

All pages

Help

Help (any wiki)

Help (this wiki)

Progress

Plans

Todo

Lessons learned

Statistics

Page Classes

Search for contributions

☐ Show contributions of new accounts only

☒ IP address or username:

Namespace:

☐ Invert selection ☐ Associated namespace

☐ Deleted only

☐ Only show edits that are latest revisions

☐ Only show edits that are previous revisions

From year (and earlier):

From month (and earlier):

Search

(newest | oldest) View (newer 200 | older 200) (20 | 50 | 100 | 250 | 500)

• 10:21, 8 July 2015 (diff | hist) . . (-1) . . **m** German Pensions products (uc moved to top of page. minor grammar correction)

• 09:54, 3 July 2015 (diff | hist) . . (+23) . . **m** Dependent decrements from independent decrements (Adding multiplication symbol to clarify consequence of UDD) (current)

Finding related documents

- What can put this in context?
- What links to this?

What links here

←

http://modelling.friendslife.co.uk/index.php?title=Special%3AWhatLinksHere&target=CPM.Mortality&namespace=

Pages that link to "CPM.Me... X

Page ▾ Safety ▾ Tools ▾

Main page

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All pages

Help

Help (any wiki)

Help (this wiki)

Progress

Plans

Todo

Lessons learned

Statistics

Page classes

What links here

Page:

Namespace: ▾

Filters

[Hide transclusions](#) | [Hide links](#) | [Hide redirects](#)

The following pages link to **CPM.Mortality**:

View (previous 50 | next 50) (20 | 50 | 100 | 250 | 500)

- [CPM](#) (← links)
- [Todo](#) (← links)
- [Category:Topics](#) (← links)
- [C ANN .Mortality](#) (transclusion) (← links)
- [C ANN .Additional underwriting ratings for enhanced annuities](#) (← links)

250%

Context from category

The screenshot shows a web browser window with the address bar displaying `http://modeling.friendslife.co.uk/index.php?title=Category:Models`. The browser's address bar also shows a tab titled "Category:Models - Modeli...". The browser's toolbar includes buttons for back, forward, home, and search, as well as a search bar. The browser's status bar at the bottom shows a zoom level of 250%.

The page content is divided into a left sidebar and a main content area. The sidebar contains two sections: "Page Classes" and "Tools". The "Page Classes" section includes links for "Forms", "Categories", "Templates", and "Properties". The "Tools" section includes links for "What links here", "Related changes", "Upload file", "Special pages", "Printable version", "Permanent link", "Page information", and "Browse properties".

The main content area has a heading "Pages in category 'Models'" followed by a paragraph: "The following 3 pages are in this category, out of 3 total." Below this paragraph is a list of three items, each preceded by a bold letter and a bullet point:

- A**
 - [ALS](#)
- C**
 - [CPM](#)
- D**
 - [Dev-lead](#)

Below the list is a box containing the text "Category: Top Level" and a horizontal line. Below the line is the text "Top Level".

Context from category

The screenshot shows a web browser window with the address bar displaying `http://modeling.friendslife.co.uk/index.php?title=Category:Prophet`. The browser's address bar also shows a tab titled "M Category:Prophet - Modell...". The page content is organized into a sidebar on the left and a main content area on the right.

Left Sidebar:

- Help (any wiki)
- Help (this wiki)
- Progress
 - Plans
 - Todo
 - Lessons learned
 - Statistics
- Page Classes
 - Forms
 - Categories
 - Templates
 - Properties
- Tools
 - What links here
 - Related changes
 - Upload file
 - Special pages
 - Printable version

Main Content Area:

Pages in category 'Prophet'

The following 5 pages are in this category, out of 5 total.

- A**
 - [ALS](#)
- C**
 - [CPM](#)
- M**
 - [CPM Model design](#)
- P**
 - [Prophet](#)
- S**

At the bottom right of the browser window, a status bar indicates a zoom level of 250%.

Compare features for finding

	Windows	Share-Point	MediaWiki
Find by string or user	✗	✓	✓
Find by category	✓	✓	✓
See links in	✗	✓	✓
Rename safely	✗	✓	✓
Recategorise safely	✗	✗	✓

1 Documents

- Sharing documents

2 Find

- By title, content, editor

3 Edit

- Flexibility, control, re-use

4 Comment

- Talk pages

5 Broadcast

- What's new and who's it from

6 Requirements

- Skills, permissions

Editing documents

- What version control is there?
- How much flexibility is allowed?
- How can flexibility be contained?

Contain flexibility by gatekeeping

The screenshot shows a web browser window with the URL <http://modeling.friendslife.co.uk/index.php?title=CPM>. The browser's address bar and tabs are visible at the top. The website's navigation bar includes links for [Owen Kellie-Smith](#), [Talk](#), [Admin links](#), [Preferences](#), [Watchlist](#), [Contributions](#), and [Log out](#). Below the navigation bar is a tabbed interface with tabs for [Page](#), [Discussion](#), [Read](#), [Edit](#), and [More](#). A search bar is located to the right of the tabs. The main content area features a warning message: **Please ensure that you save your work regularly to avoid loss.** Below this is the title

CPM

. A yellow highlight is present on the text: **This is the latest revision of this page; it has no gatekept revision.** On the left side, there is a sidebar with links: [Main page](#), [Recent changes](#), [Random page](#), [Index](#), [Glossary](#), [Issues](#), [Topics](#), and [Products](#). The main content area also contains a **Contents [hide]** section with a list of links: [1 List of CPM master products](#), [1.1 Conventional](#), [1.2 PHI](#), [1.3 Unit-linked](#), [2 Pages with scope of CPM](#), and [2.1 Topic pages to be gatekept](#). The browser's status bar at the bottom shows a 250% zoom level.

http://modeling.friendslife.co.uk/index.php?title=CPM

M CPM - Modeling Documen...

Owen Kellie-Smith Talk Admin links Preferences Watchlist Contributions Log out

Page Discussion Read Edit More Search

Please ensure that you save your work regularly to avoid loss.

CPM

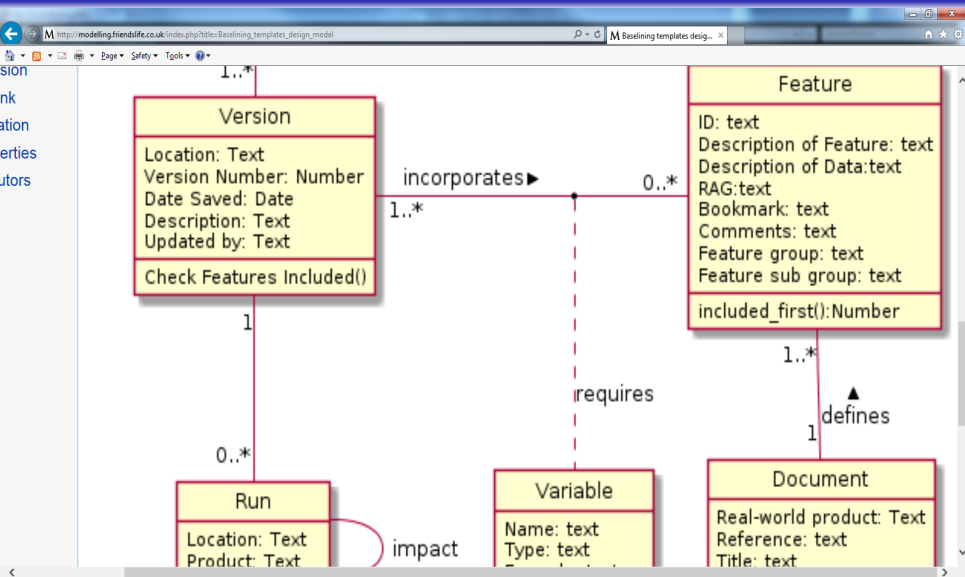
This is the latest revision of this page; it has no gatekept revision.

Contents [hide]

- 1 List of CPM master products
 - 1.1 Conventional
 - 1.2 PHI
 - 1.3 Unit-linked
- 2 Pages with scope of CPM
 - 2.1 Topic pages to be gatekept

Main page
Recent changes
Random page
Index
Glossary
Issues
Topics
Products

Provide flexibility for UML



Editing documents

- How is earlier work re-used?

Re-use glossary (tooltips)

The screenshot shows a web browser window with the address bar displaying `http://modelling.friendsife.co.uk/index.php?title=German_Pensions_products`. The browser's toolbar includes icons for back, forward, and search, as well as tabs for 'M German Pensions products ...'. The main content area displays two paragraphs of text, each followed by a horizontal line of dots indicating a tooltip. The first paragraph states: 'The German Pension products are mainly modelled in CPM, but one feature is modelled separately in ALS.' The second paragraph states: 'The products are classed as OLAB business under the UK business, not as international business.' Below the text, there is a table with two columns. The first column is labeled 'Editors' and the second column contains the names 'Mark Brimicombe, Owen Kellie-Smith, Wesley Hughes and Will.Swales'. The browser's status bar at the bottom shows a zoom level of 400%.

The German Pension products are mainly modelled in CPM, but one feature is modelled separately in ALS.

The products are classed as OLAB business under the UK business, not as international business.

Editors	Mark Brimicombe, Owen Kellie-Smith, Wesley Hughes and Will.Swales
----------------	---

Re-use glossary (tooltips)

The screenshot shows a web browser window with the address bar displaying `http://modelling.friendsife.co.uk/index.php?title=German_Pensions_products`. The browser's menu bar includes options like File, Edit, Page, Safety, and Tools. The main content area displays text about German Pension products, with a tooltip showing details about the CPM model. Below the text is a table with two columns: 'Editors' and a list of names.

The German Pension products are mainly modelled in CPM, but one feature is modelled separately

The product is modelled under the Unit-linked business.

Combined Prophet Model, including AS's for FP / FPLAL only. Actually three distinct models for Conventional (C) / PHI (P) / Unit-linked (U).

Editors	Mark Brimicombe, Owen Kellie-Smith, Wesley Hughes and Will Swales
----------------	---

Re-use glossary (tooltips)

The screenshot shows a web browser window with the address bar displaying `http://modelling.friendsife.co.uk/index.php?title=German_Pensions_products`. The browser's toolbar includes buttons for back, forward, and search, as well as a search bar containing the text "German Pensions products ...". Below the browser window, a document is displayed. The document contains the following text:

The German Pension products are mainly modelled in CPM, but one feature is modelled separately in ALS.

The product: Asset Liability Strategy - FP WP
under the UK Model

business.

Editors	Mark Brimicombe, Owen Kellie-Smith, Wesley Hughes and Will.Swales
----------------	---

The browser's status bar at the bottom shows a zoom level of 400%.

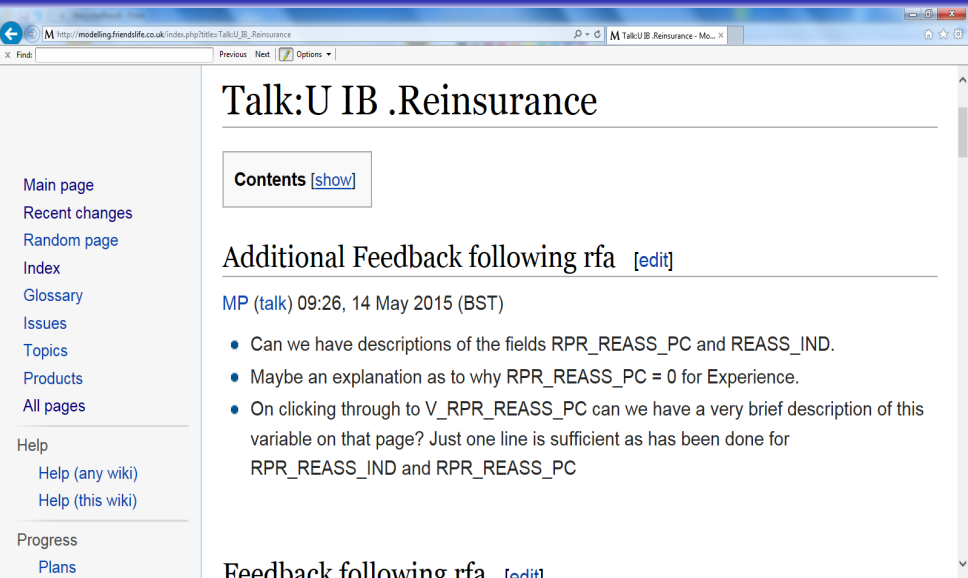
Compare features for editing

	Windows	Share-Point	MediaWiki
Forms	✓	X	✓
Gatekeeping	X	X	✓
Glossary	X	X	✓
Parsable external data	✓	X	✓
Templates	X	X	✓

- 1 Documents
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 - By title, content, editor
- 3 Edit
 - Flexibility, control, re-use
- 4 **Comment**
 - Talk pages
- 5 Broadcast
 - What's new and who's it from
- 6 Requirements
 - Skills, permissions

Commenting on documents

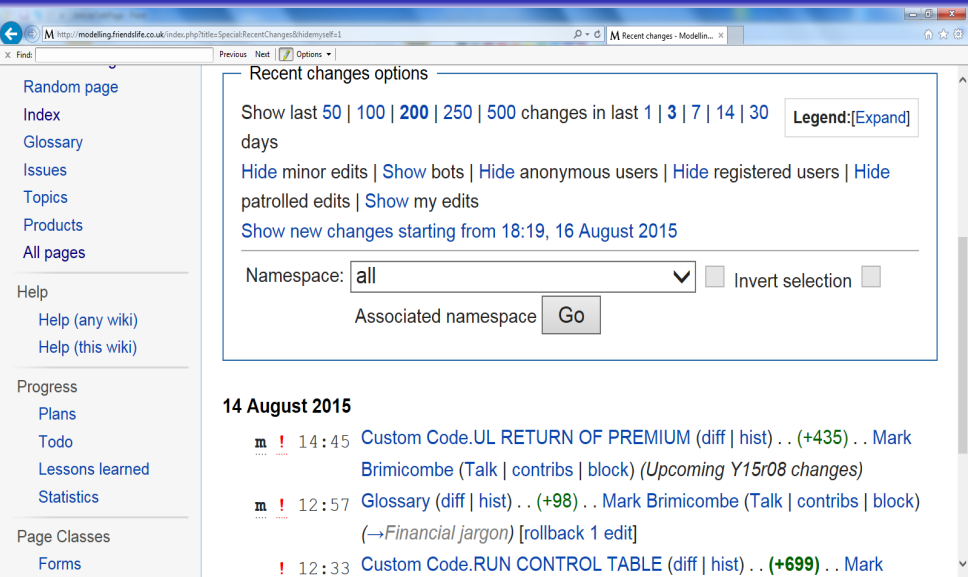
- What do people think of this document?



- 1 Documents
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Alerting readers

- What's new?
- What's been changed?
- What progress has been made?



Who's changed any document

← → M http://modelling.friendslife.co.uk/index.php?title=Glossary&action=history

File Edit View Favorites Tools Help

Page Safety Tools

M Revision history of "Glossar..."

- (cur | prev) ○ 11:25, 29 June 2015 Owen Kellie-Smith (Talk | contribs | block) m .
 . (13,431 bytes) (+22) . . (→*Financial acronyms*) (undo) (gatekeep)
- (cur | prev) ● 08:22, 29 June 2015 Greg Emmett (Talk | contribs | block) . .
 (13,409 bytes) (+5) . . (undo) (gatekeep)
- (cur | prev) ○ ○ 22:56, 27 June 2015 Owen Kellie-Smith (Talk | contribs | block) m .
 . (13,404 bytes) (+23) . . (undo) (gatekeep)
- (cur | prev) ● 11:14, 26 June 2015 Mark Brimicombe (Talk | contribs | block) m . .
 (13,381 bytes) (+381) . . (→*Financial jargon*) (undo) (gatekeep)
- (cur | prev) ○ 10:49, 26 June 2015 Mark Brimicombe (Talk | contribs | block) m . .
 (13,000 bytes) (0) . . (→*Financial jargon*) (undo) (gatekeep)
- (cur | prev) ○ 10:48, 26 June 2015 Mark Brimicombe (Talk | contribs | block) m . .
 (13,000 bytes) (+24) . . (→*Financial jargon*) (undo) (gatekeep)
- (cur | prev) ○ 09:27, 25 June 2015 Will.Swales (Talk | contribs | block) m . .
 (12,976 bytes) (+127) . . (→*Internal divisions*) (undo) (gatekeep)

250%

What's new in any document

http://modellingfriendslife.co.uk/index.php?title=Glossary&diff=14693&oldid=14088

File Edit View Favorites Tools Help

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Lessons learned

Statistics

Page Classes

Forms

Mark Brimicombe (Talk | contribs | block)

Greg Emmett (Talk | contribs | block)

m (→Financial jargon)

← Older edit

(One intermediate revision by one other user not shown)

Line 254:

;Change Document : technical doc describing the code changes for a development

;Change Document : technical doc describing the code changes for a development

;Change Log: spreadsheet listing code / assumption changes for a development (used in gatekeeping)

;Change Log: spreadsheet listing code / assumption changes for a development (used in gatekeeping)

- ;Development Summary: less technical doc describing the changes and results for a development

+ ;Development Summary: less technical doc describing the changes and results for a development

250%

Compare features for broadcasting

	Windows	Share-Point	MediaWiki
Comments attached	✗	✗	✓
Version control	✗	✓	✓
Track changes (any pair)	✗	✓	✓

Compare features

	Windows	Share-Point	MediaWiki
Find by string or user	✗	✓	✓
Find by category	✓	✓	✓
See links in	✗	✓	✓
Rename with impunity	✗	✓	✓
Recategorise with impunity	✗	✗	✓
Forms	✓	✗	✓
Gatekeeping	✗	✗	✓
Glossary	✗	✗	✓
Parsable external data	✓	✗	✓
Templates	✗	✗	✓
Comments attached	✗	✗	✓
Version control	✗	✓	✓
Track changes (any pair)	✗	✓	✓

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Skills

- Writing pages (like writing in Word or entering data in Excel).
- Writing templates (like writing Excel formulae).
- Writing modules (like writing VBA).

Skills

- Writing pages (like writing in Word or entering data in Excel).
- Writing templates (like writing Excel formulae).
- Writing modules (like writing VBA).
- Configuring server (if setting up your own). Needs familiarity with PHP & e.g. Apache.

Resources

- Help page at e.g. en.wikipedia.org/wiki/Help:Contents
- mediawiki.org
- Working with Mediawiki by Yaron Koren [1]
- semantic-mediawiki.org
- webmasters.stackexchange.com

To set up your own wiki

External (public information):

- 15 mins on e.g. openshift.com.
- Example (with cloning instructions) at mediawiki-treaties.rhcloud.com/wiki.

In-house (confidential information):

- Agreement from IT Security, IT Architecture, Procurement etc. 27 contributors (that we know about). Thank you!

Summary

- Semantic MediaWiki - find everything in one place.

Beamer

- Slides were made with Beamer[2] using the Frankfurt theme.
- Screen shots are from modelling.friendslife.co.uk at 1600 x 900 resolution at 250% or 400% magnification.
- Text aims to follow Lucidity principles[3].

For Further Reading



Yaron Koren.

Working with MediaWiki.

WikiWorks Press, 2012.



Till Tantau.

User Guide to the Beamer Class.



Michael McIntyre

Lucidity principles in brief.

www.atm.damtp.cam.ac.uk/people/mem/lucidity-in-brief.