

# Ο τίτλος του άρθρου

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December 7, 2006

## Σύνοψη

Αυτή είναι σύνοψη

## 1 About This Shell

This shell document provides a sample layout of a Greek Article.

The front matter has a number of sample entries that you should replace with your own. Replace this text with your own. You may delete all of the text in this document to start with a blank document.

Changes to the typeset format of this shell and its associated  $\LaTeX$  formatting file (article.cls) are not supported by MacKichan Software, Inc. If you wish to make such changes, please consult the  $\LaTeX$  manuals or a local  $\LaTeX$  expert.

This document will become your new Greek Article shell if you modify it and export it as “Greek Article.shl” in the Shells\International directory.

The typesetting specification selected by this shell document uses the default class options. There are a number of class options supported by this typesetting specification. The available options include setting the paper size and the point size of the font used in the body of the document. Select Typeset, Options and Packages, the Class Options tab and then click the Modify button to see the class options that are available for this typesetting specification.

## 2 Typesetting Greek Using Lambda with SW and True-TeX

You must already have the extended Times New Roman font installed. This is the default for Windows 2000 or Windows XP. It may also be possible to use other versions of Windows, but generally Windows 2000 or Windows XP are the preferred platforms.

## 2.1 Using the Lambda Formatter

To use Lambda to format files in SWP, go to **Typeset, Expert Settings, DVI Format Settings** and select **TeX Live Lambda**. Since Lambda is just LaTeX running in Omega, you should still be able to format all LaTeX documents, even if they don't use special features of Omega.

## 2.2 Using Greek with Other Typesetting Specifications

This shell document is the Standard LaTeX Article shell with the packages sw2unicode, fontenc (with the UT1 option), and swtimes added. It should be possible to use Greek with any typesetting specification by adding these packages. Use **Typeset, Options and Packages**, the **Package Options** tab and choose the **Go Native** button to add the packages.

This shell document contains commands in the document preamble to use Greek for the screen and typeset appearance of the labels for theorem-like objects. The next section shows the translations used.

## 2.3 Translations

This shell provides translations for typeset names like "Chapter" and the theorem-like environments:

Acknowledgement Ευχαριστία  
Algorithm Αλγόριθμος  
Assumption Υπόθεση  
Axiom Αξίωμα  
Case Θέμα  
Claim Ισχυρισμός  
Conclusion Συμπέρασμα  
Condition Συνθήκη  
Conjecture Εικασία  
Corollary Πόρισμα  
Criterion Κριτήριο  
Definition Ορισμός  
Example Παράδειγμα  
Exercise Άσκηση  
Lemma Λήμμα  
Notation Συμβολισμός  
Problem Πρόβλημα  
Proposition Πρόταση  
Remark Παρατήρηση  
Solution Λύση  
Summary Περίληψη  
Theorem Θεώρημα  
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### 3 Sample Greek (Δείγμα Ελληνικών)

#### 3.1 First sample

Measurement of the Earth -- Eratosthenes

Και ηεν του Ποσειδωνιου εφοδος περι του κατα την γηνμεγθουζ τοιαυτη, η δε του 'Ερατοσθενουζ γεωμετρικηζ εφοδου εχομενη, και δοκουσα τι ασαφεστερον εχειν. ποιησει δε σαφη τα λεγομενα υπ αυτου ταδε προυποτιθεμενων ημων. υποκεισθω ημιν πρωτον μεν κανταυθα, υπο τω αυτω θεσημβρινω κεισθαι Συμνμν και 'Αλεξανδρειαν, και δευτερον, το διαστημα το μεταξυ των πολεων πεντακισχιλιων σταδιων ειναι, και τριτον, ταζ καταπεμπομεναζ ακτιναζ απο διαφορων μερων του ηλιου επι διαφορα της γηζ μερη παραλληλουζ ειναι ουτωζ γαρ εχειν αυταζ οι γεωμετραι υποτιθενται. τεταρτον εκεινο υποκεισθω, δεικνυμενον παρα τοιζ γεωμετραιζ, ταζ ειζ παραλληλουζ εμπιπτουσαζ ευθειαζ ταζ εναλλαξ γωνιαζ ισαζ ποιειν, πεμπτον, ταζ επι ισων γωνιων βεβηκριαζ περιφερειαζ ομοιαζ, ειναι, τουτεστι την αυτην αναλαγιαν και τον αυτον λογον εχειν προζ τουζ οικειουζ κυκλουζ, δεικνυμενου και τουτου παρα τοιζ γεωμετραιζ. οποταν γαρ περιφερειαζ επι ισων γωνιων ωσι βεβηκριαζ, αν μια ητισουν αυτων δεκατον η θεροζ του οικειου κυκλου, και αι λοιπαι πασαι δεκατα θερη γενησονται των οικειων κυκλων.

Τουτων ο ...

#### 3.2 Second sample

Αυτό το κεφάλαιο δίνει *Πληροφορίες για το πως θα χρησιμοποιήσετε τα Ελληνικά*. Γράφω ένα δείγμα για να δείτε τον τρόπο που παρουσιάζεται στην οθόνη. Έκανα όσες μεταγράσεις σκέφτηκα. Αν χρειασθούν και άλλες, είναι πια εύκολο να τις υλοποιήσουμε. Απλά θέλει λίγη προσοχή. Αυτός είναι ένας τύπος μέσα στο κείμενο:  $a + b = \int_{i=0}^1 f(t)dt$ . Για να βγεί σωστά, θα πρέπει να βγείτε από τα ελληνικά και να γράφετε αγγλικά. Αυτός είναι ένα άλλος τύπος

$$a + b = \int_{i=0}^1 f(t)dt \quad (1)$$

Κοιτάζτε το Πίνακα 1

	N2107	N4120	N6474
ALG III	7.8	17	18
ALG IV	8	17	18
ALG V	14.5	29	33

Πίνακας 1: Running times of ALG III, ALG IV, ALG V for the three real Internet topologies.

Και τώρα την Εικόνα ??  
 Τώρα γράφουμε ένα Λήμμα.

**Λήμμα 1** *Αυτό το Λήμμα είναι πολύ χρήσιμο.*

Και τώρα ένα θεώρημα.

**Θεώρημα 2** *Και αυτό είναι πολύ χρήσιμο.*

**Απόδειξη.** Δεν χρειάζεται απόδειξη, είναι προφανές. ■

**Πόρισμα 3** *Και το τελικό πόρισμα.*

## 4 Features of This Shell

### 4.1 Subsection

Use the Section tag for major sections, and the Subsection tag for subsections.

#### 4.1.1 Subsubsection

This is just some harmless text under a subsubsection.

**Subsubsubsection** This is just some harmless text under a subsubsubsection.

**Subsubsubsubsection** This is just some harmless text under a subsubsubsub-  
 section.

### 4.2 Tags

You can apply the logical markup tag *Emphasized*.

You can apply the visual markup tags **Bold**, *Italics*, Roman, Sans Serif, *Slanted*, Small Caps, and Typewriter.

You can apply **BLACKBOARD BOLD**, *CALLIGRAPHIC*, and `fraktur`, the special mathematics-only tags. Note that blackboard bold and calligraphic are correct only when applied to uppercase letters A through Z.

You can apply the size tags `tiny`, `scriptsize`, `footnotesize`, `small`, `normalsize`, `large`, `Large`, `LARGE`, `huge` and `Huge`.

This is a Body Math paragraph. Each time you press the Enter key, Scientific WorkPlace switches to mathematics mode. This is convenient for carrying out "scratchpad" computations.

Following is a group of paragraphs marked as Short Quote. This environment is appropriate for a short quotation or a sequence of short quotations.

The only thing we have to fear is fear itself. *Franklin D. Roosevelt*, Mar. 4, 1933

Ask not what your country can do for you; ask what you can do for your country. *John F. Kennedy*, Jan. 20, 1961

There is nothing wrong with America that cannot be cured by what is right with America. *William J. "Bill" Clinton*, Jan. 21, 1993

The Long Quotation tag is used for quotations of more than one paragraph. Following is the beginning of *Alice's Adventures in Wonderland* by Lewis Carroll:

Alice was beginning to get very tired of sitting by her sister on the bank, and of having nothing to do: once or twice she had peeped into the book her sister was reading, but it had no pictures or conversations in it, 'and what is the use of a book,' thought Alice 'without pictures or conversation?'

So she was considering in her own mind (as well as she could, for the hot day made her feel very sleepy and stupid), whether the pleasure of making a daisy-chain would be worth the trouble of getting up and picking the daisies, when suddenly a White Rabbit with pink eyes ran close by her.

There was nothing so very remarkable in that; nor did Alice think it so very much out of the way to hear the Rabbit say to itself, 'Oh dear! Oh dear! I shall be late!' (when she thought it over afterwards, it occurred to her that she ought to have wondered at this, but at the time it all seemed quite natural); but when the Rabbit actually took a watch out of its waistcoat-pocket, and looked at it, and then hurried on, Alice started to her feet, for it flashed across her mind that she had never before seen a rabbit with either a waistcoat-pocket, or a watch to take out of it, and burning with curiosity, she ran across the field after it, and fortunately was just in time to see it pop down a large rabbit-hole under the hedge.

In another moment down went Alice after it, never once considering how in the world she was to get out again.

### 4.3 Mathematics and Text

Let  $H$  be a Hilbert space,  $C$  be a closed bounded convex subset of  $H$ ,  $T$  a non-expansive self map of  $C$ . Suppose that as  $n \rightarrow \infty$ ,  $a_{n,k} \rightarrow 0$  for each  $k$ , and

$\gamma_n = \sum_{k=0}^{\infty} (a_{n,k+1} - a_{n,k})^+ \rightarrow 0$ . Then for each  $x$  in  $C$ ,  $A_n x = \sum_{k=0}^{\infty} a_{n,k} T^k x$  converges weakly to a fixed point of  $T$ .

The numbered equation

$$u_{tt} - \Delta u + u^5 + u|u|^{p-2} = 0 \text{ in } \mathbf{R}^3 \times [0, \infty[ \quad (2)$$

is automatically numbered as equation 2.

## 4.4 List Environments

You can create numbered, bulleted, and description lists using the Item Tag popup list on the Tag toolbar.

1. List item 1
2. List item 2

(a) A list item under a list item.

The typeset style for this level is different than the screen style. The screen shows a lower case alphabetic character followed by a period while the typeset style uses a lower case alphabetic character surrounded by parentheses.

(b) Just another list item under a list item.

i. Third level list item under a list item.

A. Fourth and final level of list items allowed.

- Bullet item 1
- Bullet item 2

– Second level bullet item.

\* Third level bullet item.

· Fourth (and final) level bullet item.

**Description List** Each description list item has a term followed by the description of that term. Double click the term box to enter the term, or to change it.

**Bunyip** Mythical beast of Australian Aboriginal legends.

## 4.5 Theorem-like Environments

The following theorem-like environments (in alphabetical order) are available in this style.

**Ευχαριστία 4** *This is an acknowledgement*

**Αλγόριθμος 5** *This is an algorithm*

**Υπόθεση 6** *This is an assumption*

**Αξίωμα 7** *This is an axiom*

**Θέμα 8** *This is a case*

**Ισχυρισμός 9** *This is a claim*

**Συμπέρασμα 10** *This is a conclusion*

**Συνθήκη 11** *This is a condition*

**Εικασία 12** *This is a conjecture*

**Πόρισμα 13** *This is a corollary*

**Κριτήριο 14** *This is a criterion*

**Ορισμός 15** *This is a definition*

**Παράδειγμα 16** *This is an example*

**Άσκηση 17** *This is an exercise*

**Λήμμα 18** *This is a lemma*

**Απόδειξη.** This is the proof of the lemma. ■

**Συμβολισμός 19** *This is notation*

**Πρόβλημα 20** *This is a problem*

**Πρόταση 21** *This is a proposition*

**Παρατήρηση 22** *This is a remark*

**Λύση 23** *This is a solution*

**Περίληψη 24** *This is a summary*

**Θεώρημα 25** *This is a theorem*

## 4.6 Citations

The references that follow this section automatically generate a References section heading. It has no relationship to the previous text, but can be used to show sample citations such as [5] and [6]. The typesetting specification determines the appearance of each citation and the References section. If you want multiple citations to appear in a single grouping you must type all of the citation keys inside a single citation, separating each with a comma. Here is an example: [3, 6, 9].

## Αναφορές

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- [3] Chang Li-chien, *On the maximin probability of cyclic random inequalities*, Scientia Sinica **10** (1961), 499--504.
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- [5] N. Dunford and J. Schwartz, *Functional Analysis*, v. 2, John Wiley and Sons, New York, 1963.
- [6] W. W. Funkenbusch, *A gaming wheel based on cyclic advantage in symbol choice*, The Gambling Papers, Vol. XIII (1982), 68--83 University of Nevada, Reno.
- [7] M. Gardner, *The paradox of the nontransitive dice and the elusive principle of indifference*, Scientific American **223** (1970), 110--114.
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- [9] W. W. Funkenbusch and Saari, D. G., *Preferences among preferences or nested cyclic stochastic inequalities*, Congr. Numer. **39** (1983), 419--432.
- [10] M. Struwe, *Semilinear wave equations*, Bull. Amer. Math. Soc. **26** (1992), 53-85.
- [11] W.P. Thurston, *Geometry and topology of three manifolds*, Lecture notes, Princeton Univ., NJ, 1979.

## A The First Appendix

The appendix fragment is used only once. Subsequent appendices can be created using the Section Section/Body Tag.