

CCS concepts and XML Code

Please **add** the **CCS Concepts** to the first page of final paper follow the ACM template, and copy the XML Code to Text file. Please carefully proofread the format of your final paper based on above two needed information. Please note that both doc. (must) and pdf. version of the paper are needed to return to the conference secretary.

1. How to produce CCS Concepts and XML Code?

- **For CCS Concepts and XML Code, you may visit the following link** and choose the more suitable classification of your paper and then assign your paper CCS concepts (Please note: CCS Concepts means the theme of your paper). After that, you may click view CCS TeX Code and choose show the XML only; you will get the XML Code. (**Don't worry, please refer to the following pictures of instructions.**)

➤ **Link:** <http://dl.acm.org/ccs/ccs.cfm?id=0&lid=0&CFID=689867085&CFTOKEN=32340563>

- The final result, please see the following as an **example**:

CCS Concepts: Information systems → Information systems applications → Mobile information processing systems

XML Code:

```
<ccs2012>
```

```
<concept>
```

```
<concept_id>10002951.10003227.10003245</concept_id>
```

```
<concept_desc>Information      systems~Mobile      information      processing
systems</concept_desc>
```

```
<concept_significance>500</concept_significance>
```

```
</concept>
```

```
</ccs2012>
```

2. Pictures of instructions.

- 1) Click to choose the more suitable classification of your paper.

The screenshot shows the ACM Digital Library interface. At the top left is the logo "ACM DL DIGITAL LIBRARY". To the right are links for "SIGN IN" and "SIGN UP", and a search bar with a "SEARCH" button. Below this is a header for "The ACM Computing Classification System (CCS)" with links for "Switch to Flat View" and "Generate CCS Codes". The main content is a grid of classification categories:

General and reference	Hardware	Computer systems organization	Networks
Software and its engineering	Theory of computation	Mathematics of computing	Information systems
Security and privacy	Human-centered computing	Computing methodologies	Applied computing
Social and professional topics	What is the CCS?		

- 2) Get your CCS Concepts.

This screenshot shows the navigation path: CCS → Mathematics of computing → Mathematical analysis → Functional analysis → **Approximation**. Below this, there is a sidebar for "Approximation" with links for "Recent Papers", "Switch to Flat View", "Contact Us", "Author Tools", "Assign This CCS Concept", and "Generate CCS Codes". The main content area is titled "Recent papers on Approximation" and lists three papers:

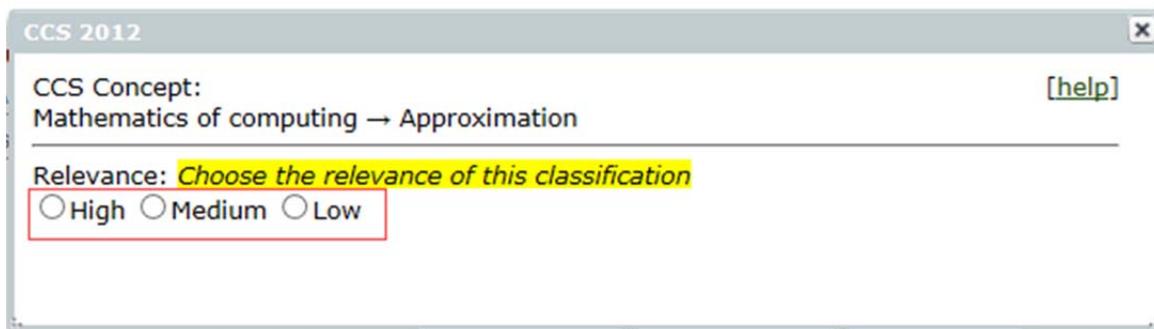
1. [Network synchronization and localization based on stolen signals](#) - Christian Schindelhauer, Zvi Lotker, Johannes Wendeberg
Proceedings of the 30th annual ACM SIGACT-SIGOPS symposium on Principles of distributed computing
2. [A study of Hensel series in general case](#) - 2012
Tateaki Sasaki, Daiju Inaba
Proceedings of the 2011 International Workshop on Symbolic-Numeric Computation
3. [On calculating the rate of linear convergence of non-linear transformed sequences](#) - 2012
Johannes Grotendorst

A red arrow points from the text "CCS Concepts" to the "Approximation" link in the navigation path.

- 3) Click the "Assign This CCS Concept".

This screenshot is similar to the previous one, showing the navigation path and the list of papers. The "Assign This CCS Concept" link in the sidebar is highlighted with a red box, indicating the step to be taken.

4) Choose the relevance of this classification

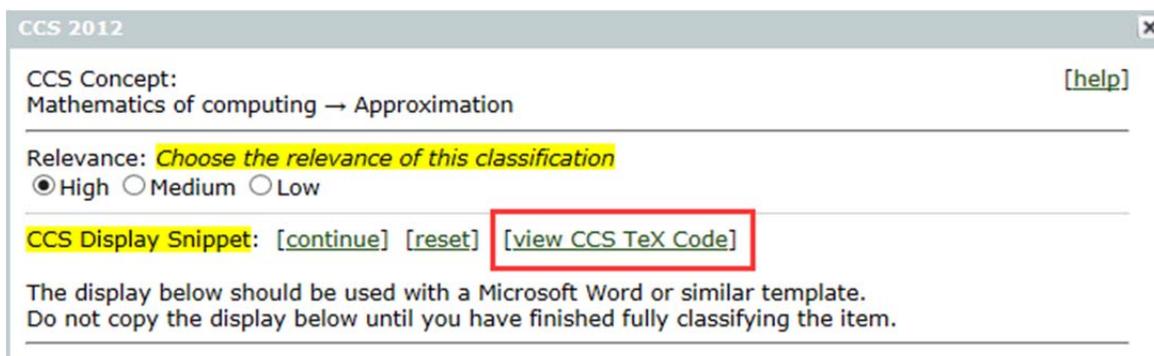


CCS 2012

CCS Concept: [\[help\]](#)
Mathematics of computing → Approximation

Relevance: *Choose the relevance of this classification*
 High Medium Low

5) Click the “view CCS TeX Code”.



CCS 2012

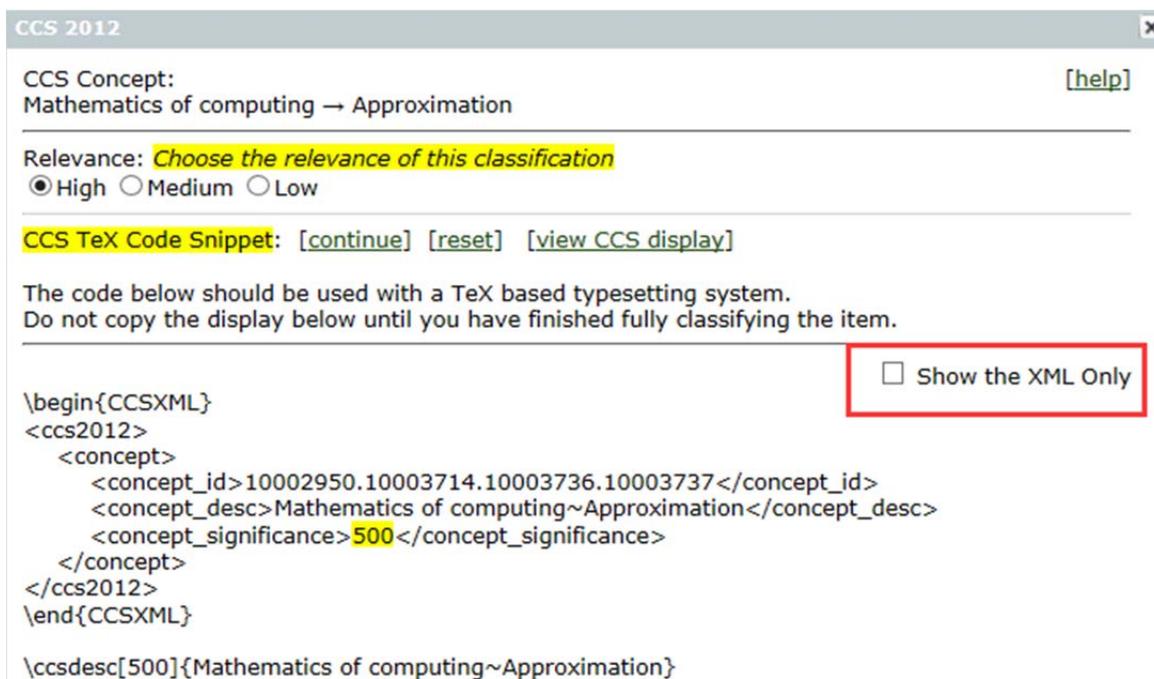
CCS Concept: [\[help\]](#)
Mathematics of computing → Approximation

Relevance: *Choose the relevance of this classification*
 High Medium Low

CCS Display Snippet: [\[continue\]](#) [\[reset\]](#) [\[view CCS TeX Code\]](#)

The display below should be used with a Microsoft Word or similar template.
Do not copy the display below until you have finished fully classifying the item.

6) Choose the “show the XML only”.



CCS 2012

CCS Concept: [\[help\]](#)
Mathematics of computing → Approximation

Relevance: *Choose the relevance of this classification*
 High Medium Low

CCS TeX Code Snippet: [\[continue\]](#) [\[reset\]](#) [\[view CCS display\]](#)

The code below should be used with a TeX based typesetting system.
Do not copy the display below until you have finished fully classifying the item.

Show the XML Only

```
\begin{CCSXML}
<ccs2012>
  <concept>
    <concept_id>10002950.10003714.10003736.10003737</concept_id>
    <concept_desc>Mathematics of computing~Approximation</concept_desc>
    <concept_significance>500</concept_significance>
  </concept>
</ccs2012>
\end{CCSXML}

\ccsdesc[500]{Mathematics of computing~Approximation}
```

7) Get the XML Code.

CCS Concept:
Mathematics of computing → Approximation

[help]

Relevance: *Choose the relevance of this classification*

High Medium Low

XML Code

CCS TeX Code Snippet: [continue] [reset] [view CCS display]

The code below should be used with a TeX based typesetting system.
Do not copy the display below until you have finished fully classifying the item.

Show the XML Only

```
<ccs2012>
  <concept>
    <concept_id>10002950.10003714.10003736.10003737</concept_id>
    <concept_desc>Mathematics of computing~Approximation</concept_desc>
    <concept_significance>500</concept_significance>
  </concept>
</ccs2012>
```