

Ο ρόλος και η χρήση του ΤΕΙ στο τοπίο των ψηφιακών ανθρωπιστικών επιστημών

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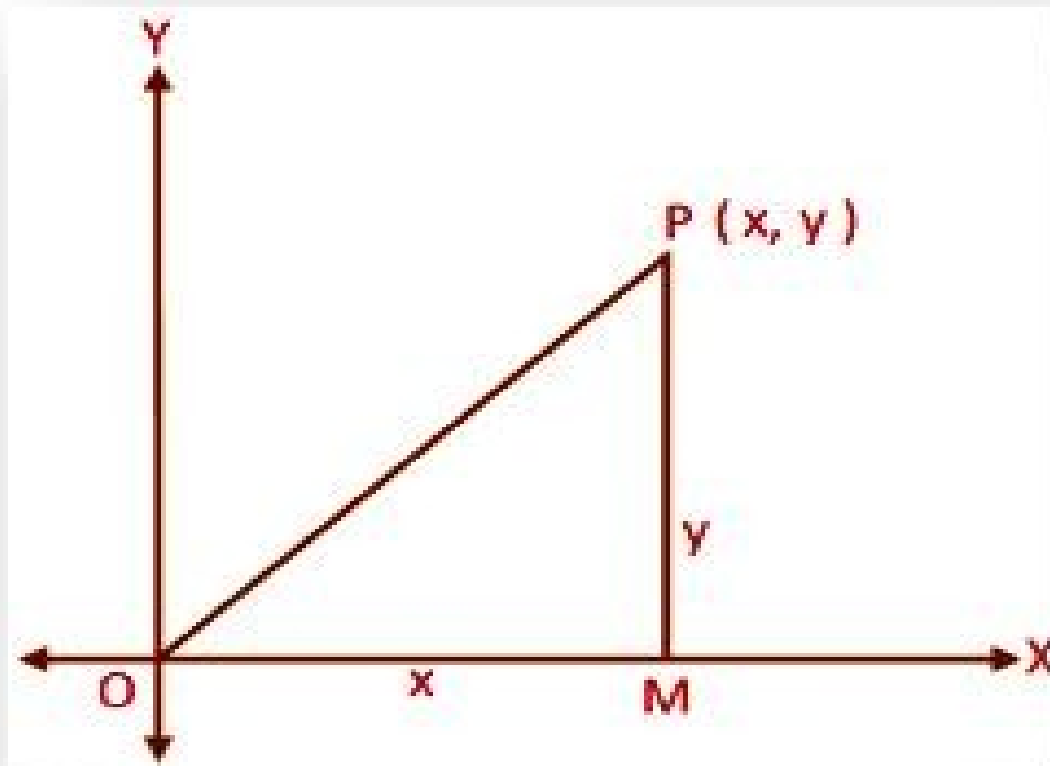
• Pending.....

- *SVG and Vectors*
- *Xpath*
- *SPARQL and dbpedia*
- *Graph databases and Neo4J*
- **Intro TEI**
 - *TEI and machines*
- **Overall structure of a TEI text**
 - *SW solutions*



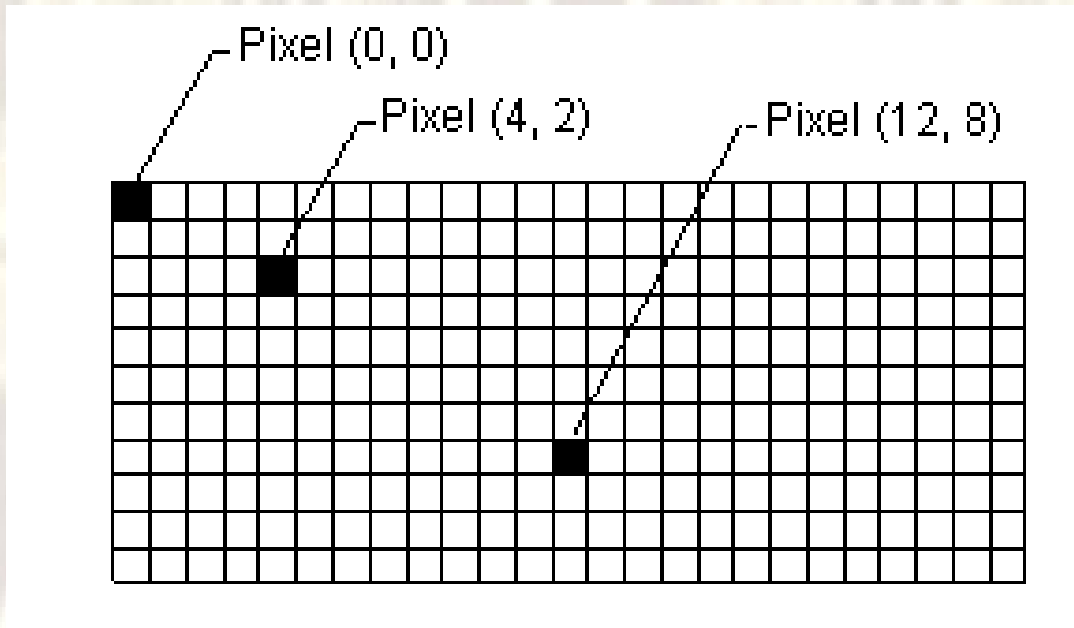
SVG and Vectors

Ανασκαφή κειμένων και ανάλυση τόπων, Αθήνα 3-7 Νοε 2014



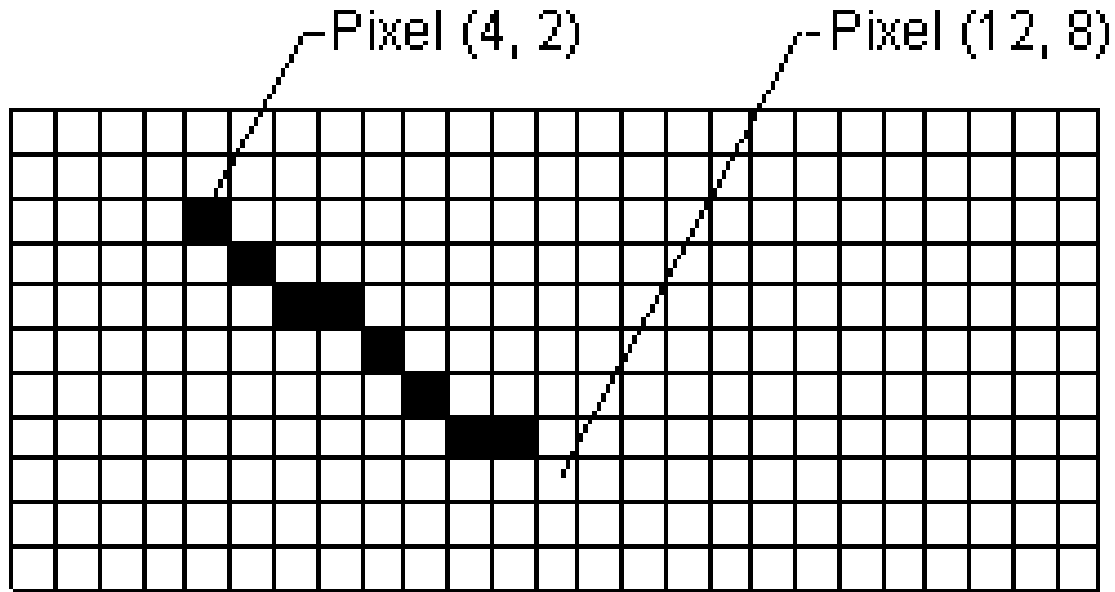
SVG and Vectors

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SVG and Vectors

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SVG and Vectors

Ανασκαφή κειμένων και ανάλυση τόπων, Αθήνα 3-7 Νοε 2014

Lines
Rectangles
Ellipses
Arcs
Polygons
Cardinal splines
Bézier splines



Oct 10 ~~Tuesday~~ Monday


Lost, completing the IX

Dictionary with Alan.

A lot of time goes to making charcoal for 'Nalki', Beyle's now using this paper for warming in attic.

Went to Noulamban with David - first visit for about 10 days - ^{ordered} get small wood for Dorothy's cresset.

Now almost always work at Cambhuk: we are playing a correspondence game with Harry.

Mono broke Lama's particular coffee cup,  and she has her blue glass bottle given by Karl.

A facsimile of a diary page
(from the diary of Robert Graves)

Oct 10 Monday Ghost, completing ch IX Dictionary with Alan.

A lot of time goes to making charcoal for 'Marthe', Beryl's now using this fugon for warming her attic. Went to Montauban with David - first visit for about 10 days -ordered small wood for Dorothy's cresset. Now almost always win at Cambeluk: we are playing a correspondence game with Harry. Nono broke Laura's particular coffee cup, [sketch of cup] and she her blue glass bottle given by Karl.



Our first marks

Ανασκαφή κειμένων και ανάλυση τόπων, Αθήνα 3-7 Νοε 2014

```
<div type="diaryentry" n="1938-10-10">
  <head>Oct 10 Monday</head>
  <p>Ghost, completing ch IX</p>
  <p>Dictionary with Alan.</p>
  <p>A lot of time goes to making charcoal for 'Marthe',
    Beryl's now using this fugon for warming her attic.</p>
  <p>Went to Montauban with David – first visit for about 10
    days – ordered small wood for Dorothy's cresset.</p>
  <p>Now almost always win at Cambeluk: we are playing a
    correspondence game with Harry.</p>
  <p>Nono broke Laura's particular coffee cup, [sketch of cup]
    and she her blue glass bottle given by Karl.</p>
</div>
```



More details...

Ανασκαφή κειμένων και ανάλυση τόπων, Αθήνα 3-7 Νοε 2014

```
<div type="diaryentry" n="1938-10-10">
  <head>Oct 10 <del>Tuesday.</del>
    <add>Monday</add>
  </head>
  <p>Ghost, completing <abbr>ch</abbr> IX</p>
  <p>Dictionary with Alan.</p>
  <p>A lot of time goes to making charcoal for 'Marthe',
    Beryl's now using this
  <foreign>fugon</foreign>
    <note>charcoal-burner</note>
    for warming her attic.</p>
  <p>Went to Montauban with David – first visit for about 10
    days – <del>got</del>
    <add>ordered</add> small wood for
    Dorothy's cresset.</p>
  <p>Now almost always win at Cambeluk: we are playing a
    correspondence game with Harry.</p>
  <p>Nono broke Laura's particular coffee cup, <figure>
    <figDesc>sketch of cup</figDesc>
  </figure> and she her blue glass bottle given by
    Karl.</p>
</div>
```



The larger document structure

Ανασκαφή κειμένων και ανάλυση τόπων, Αθήνα 3-7 Νοε 2014

- Texts do not live in isolation.
- They are often introduced by
 - title pages,
 - prefaces,
 - tables of contents and
 - dedications;
- they are often followed by an index,
 - appendices,
 - and similar material.



- The structure is represented by a `<text>` element that contains a `<front>`, `<body>` and `<back>`

```
<TEI xmlns="http://www.tei-c.org/ns/1.0">
<teiHeader></teiHeader>
<text>
<front></front>
<body></body>
<back></back>
</text>
</TEI>
```



- The 'xmlns' on the <TEI> element: all TEI elements are part of the TEI namespace, <http://www.tei-c.org/ns/1.0>

```
<TEI xmlns="http://www.tei-c.org/ns/1.0">  
<teiHeader></teiHeader>  
<text>  
<front></front>  
<body></body>  
<back></back>  
</text>  
</TEI>
```





The TEI header

```

<teiHeader>
  <fileDesc>
    <titleStmt>
      <title>Diary of Robert Graves 1935-39 and ancillary
        material</title>
      <author>Robert Graves</author>
      <editor>...</editor>
    </titleStmt>
    <publicationStmt>
      <publisher>...</publisher>
      <pubPlace>...</pubPlace>
      <availability status="unknown">
        <p>...</p>
      </availability>
      <date>...</date>
    </publicationStmt>
    <sourceDesc>
      <p>...</p>
    </sourceDesc>
  </fileDesc>
</teiHeader>

```



Attaching a facsimile

Ανασκαφή κειμένων και ανάλυση τόπων, Αθήνα 3-7 Νοε 2014

- **Make explicit the relation between image file and content.**
 - **TEI provides the <facsimile> element,**
 - It is stored between the <teiHeader> and the <text>
 - **The <facsimile> defines <surface>s and (optionally) <zone>s within surfaces.**
 - **In our case, each surface will correspond with a diary page, and we have no need for zones.**
 - **For each surface, we can define one or more <graphic> elements, which will hold information about the images of that page.**



Attaching a facsimile

Ανασκαφή κειμένων και ανάλυση τόπων, Αθήνα 3-7 Νοε 2014

- The surface element is provided with an `xml:id` attribute.
- From the transcription we can point at the `<surface>` using the `fac` attribute (recall `@fac`).



```

<TEI xmlns="http://www.tei-c.org/ns/1.0">
  <teiHeader>
    <fileDesc/>
    <profileDesc>
      <particDesc>
        <listPerson>
          <person xml:id="AH">
            <p>Alan Hodge. Oxford history graduate.
              Became close friends with Laura Riding
              & Robert Graves. First husband of
              Beryl Graves.</p>
          </person>
          <person xml:id="BP">
            <p>Beryl Pritchard. Daughter of Harry
              and Amy Pritchard, Robert Graves's
              second wife. Formerly married to Alan
              Hodge. Robert and Beryl had four
              children: William, Lucia, Juan and
              Tomas.</p>
          </person>
          <person xml:id="DR">
            <p>David Reeves. Brother of James
              Reeves.</p>
          </person>
        </listPerson>
      </particDesc>
    </profileDesc>
  </teiHeader>
  <facsimile>..</facsimile>
  <text>
    <front>...</front>
    <body>
      <div type="diaryentry" n="1938-10-10" facs="#graves1938-10-10-1">
        <head>Oct 10
          <del>Tuesday.</del>
          <add>Monday</add>
        </head>
        <p>Ghost, completing <abbr>ch</abbr> IX</p>
        <p>Dictionary with <rs ref="#AH">Alan</rs>.</p>
        <p>A lot of time goes to making charcoal for
          'Marthe', <rs ref="#BP">Beryl</rs>'s now
          using this
        <foreign>fugon</foreign>
        <note>charcoal-burner</note>
        for warming her attic.</p>
        <p>Went to Montauban with <rs ref="#DR">David</rs> – first visit for about ...
        </p>
      </div>
    </body>
  </text>
</TEI>

```

The <particDesc> element
contains a list of persons

XSLT in Action

