

ORE Resource Map Implementation in METS

DRAFT PROPOSAL

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This document describes one possible ORE Resource Map serialization into METS.

METS Header

The Resource Map is the METS XML document itself. The METS OBJID attribute contains the URI of the Resource Map (URI-R), and most of the mandatory metadata about the Resource Map is contained in the metsHdr section.

The following is a METS fragment showing the primary metadata about the Resource Map:

```
<mets
  OBJID="http://arxiv.org/rem/mets/astro-ph/0601007"
  LABEL="METS Resource Map for 'Parametrization of K-essence and Its Kinetic Term'"
  TYPE="Resource Map">
  <metsHdr CREATEDATE="2008-10-01T18:30:02Z" LASTMODDATE="2008-10-03T07:30:34Z">
    <agent ROLE="CREATOR">
      <name>arXiv.org e-Print Repository</name>
      <note>URI: http://arXiv.org</note>
    </agent>
    <agent ROLE="IPOWNER">
      <name>http://creativecommons.org/licenses/by-nc/2.5/</name>
      <note>This Resource Map is available under the Creative Commons ...</note>
    </agent>
  </metsHdr>
  ...
</mets>
```

METS Descriptive Metadata Section

Metadata about the Aggregation (URI-A) are contained in a dmdSec which is referenced from the root div element of the structMap. In keeping with the RDF-centric nature of ORE, these metadata are being represented using the RDF XML syntax wrapped in the dmdSec. The mdWrap element must have these attributes: MDTYPE="OTHER" OTHERMDTYPE="RDF" MIMETYPE="application/rdf+xml". Note also that this dmdSec may contain additional RDF triples with subjects besides just the Aggregation (URI-A). There could be triples describing additional, optional metadata about the Resource Map (URI-R) which could not be described in the metsHdr. There might also be triples describing metadata (which could not be represented by METS attributes on the div or file elements) about the Aggregated Resources (URI-AR) or other of the resources referenced in the structMap. This is similar to the oreatom:triples element described in the [Resource Map Implementation in Atom](#).

The following is a simple dmdSec example:

```
<dmdSec ID="META-1">
  <mdWrap MDTYPE="OTHER" OTHERMDTYPE="RDF" MIMETYPE="application/rdf+xml" >
    <xmlData>
      <!-- This is the core metadata about the aggregation -->
      <rdf:Description rdf:about="http://arxiv.org/aggregation/astro-ph/0601007">
        <dcterms:creator rdf:parseType="Resource">
          <foaf:name>Hui Li</foaf:name>
          <foaf:mbox rdf:resource="mailto:lihui@somewhere.cn"/>
        </dcterms:creator>
        <dcterms:creator rdf:parseType="Resource">
          <foaf:name>Zong-Kuan Guo</foaf:name>
        </dcterms:creator>
        <dcterms:creator rdf:parseType="Resource">
          <foaf:name>Yuan-Zhong Zhang</foaf:name>
        </dcterms:creator>
        <rdf:type>
          <rdf:Description rdf:about="http://purl.org/eprint/type/JournalArticle">
            <rdfs:label>Journal Article</rdfs:label>
            <rdfs:isDefinedBy rdf:resource="http://purl.org/eprint/type/" />
          </rdf:Description>
        </rdf:type>
        <dcterms:created>2005-12-31T04:01:23Z</dcterms:created>
```

```

<dcterms:modified>2006-01-18T06:16:15Z</dcterms:modified>
<dcterms:abstract>We construct the non-canonical kinetic term...</dcterms:abstract>
<dc:title>Parametrization of K-essence and Its Kinetic Term</dc:title>
</rdf:Description>

<!-- Optional metadata about the Aggregation, Resource Map, Aggregated
Resources or other resources can also be included -->
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://arxiv.org/aggregation/astro-ph/0601007">
  <dcterms:audience rdf:parseType="Resource">
    <rdf:value>OCLC audience level 1: research</rdf:value>
  </dcterms:audience>
</rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://arxiv.org/abs/astro-ph/0601007">
  <rdf:type rdf:resource="info:eu-repo/semantics/humanStartPage"/>
</rdf:Description>
...
</xmlData>
</mdWrap>
</dmdSec>

```

METS File Section

Each resource participating in the Aggregation, including the Aggregation itself, the Aggregated Resources, and any other resources with relationships to these must have a file element in the METS fileSec. The URIs to these resources must be contained in the xlink:href attribute of an FLocat element beneath each file element. The FLocat element must have an OTHERLOCTYPE attribute of 'URI'. Technical metadata about the resources may be represented by various attributes of the file element, as appropriate. See Table 1 for details.

The following is a simple fileSec which illustrates the above:

```

<fileSec>
  <fileGrp>
    <file ID="ID-URI-A">
      <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI" xlink:href="http://arxiv.org/aggregation/astro-ph/0601007"/>
    </file>
    <file ID="ID-URI-AR" MIMETYPE="application/pdf" >
      <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI" xlink:href="http://arxiv.org/pdf/astro-ph/0601007"/>
    </file>
    <file ID="ID-URI-X" MIMETYPE="application/pdf" >
      <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI" xlink:href="http://arxiv.org/pdf/astro-ph/0601007"/>
    </file>
    <file ID="ID-URI-Y">
      <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
        xlink:href="http://arxiv.org/aggregation/0807.1020"/>
    </file>
  </fileGrp>
</fileSec>

```

METS Structure Map

The relationships between the Aggregation and all other resources, including the Aggregated Resources, is represented by the structMap. The div elements in the structMap use a striped syntax to represent relationships between resources. The outer div represent a resource which is the subject of a relationship, the second-level div presents a type of relationship, and the third-level div represents the resource which is the object of the relationship. QUESTION: [However, the third-level div may also be the subject of a different relationship so that you can continue to nest div elements in this pattern to represent arbitrary graphs of relationships between resources.] The div elements which represent resources must have a TYPE attribute from a controlled vocabulary naming the type of the resource. A TYPE value of 'Resource' must be used if no more specific value is available. The resource div elements may also have a LABEL attribute providing a human-readable name for the resource. The div elements which represent relationships must have a LABEL attribute from a controlled vocabulary naming the relationship.

The controlled vocabulary used for these TYPE and LABEL attribute values comes from various RDF properties and types in the ORE, Dublin Core, and RDF schema. Currently, the human-readable values for these are being used, derived from the rdfs:label property in the various RDF schema. This works because there are currently no name collisions between these schema. However, if other schema are introduced collisions are a possibility in which case the URI values for these properties and types should be used. [Example METS documents](#) using both the labels and the URIs are provided with this document.

For purposes of using a structMap to represent an Aggregation, the root div element of the structMap must represent the Aggregation. Its TYPE attribute must be 'Aggregation'. The second-level div elements beneath this div element represent the types of relationships for which the Aggregation is the subject, and the third-level div elements represent the resources which are the objects of those relationships. The root div element must have an fptr child which points to a file element which contains the URI of the Aggregation (URI-A). The third-level div elements must also have fptr children which point to file elements which contain the URIs of the various resources. Some of the metadata

about the resources are represented by various attributes both of the div elements in the structMap and the file elements which are referenced from those div elements. See Table 1 for details. There must be at least one second-level div element with a LABEL of 'Aggregates', and this second-level div must have at least one third-level div child with a TYPE of 'Aggregated Resource'. Any other relationships to the Aggregation are optional.

The following is a simple structMap which illustrates the key points described above:

```
<structMap>
  <div TYPE="Aggregation" DMDID='META-1'>
    <fptr FILEID="ID-URI-A" />
    <div LABEL="Aggregates">
      <div TYPE="Aggregated Resource" LABEL="PDF Document">
        <fptr FILEID="ID-URI-AR" />
        <div LABEL="Replaces">
          <div TYPE="Resource" LABEL="Old PDF Document">
            <fptr FILEID="ID-URI-X" />
          </div>
        </div>
      </div>
    </div>
  </div>
  <div LABEL='Is Referenced By'>
    <div TYPE="Resource"
      LABEL="How the Scalar Field of Unified Dark Matter Models Can Cluster">
      <fptr FILEID="ID-URI-Y" />
    </div>
  </div>
</structMap>
```

Detailed Mapping

The following table provides a more detailed mapping between the METS document described in this document and the ORE model.

Table 1: The elements of a METS document used to express an ORE Resource Map, and the associated RDF Triples

METS	METS XPath	ORE Abstract Model and RDF Triples
METS OBJID	/mets/@OBJID	URI-R
The root div of the structMap references a file whose href is the URI of the Aggregation.	//file[@ID=//structMap/div[@TYPE="Aggregation"]/fptr/@FILEID] /FLocat/@xlink:href	URI-A
The aggregated resources are third-level divs listed under a second-level div with a LABEL of 'Aggregates'.	//file[@ID=//structMap/div[@TYPE='Aggregation'] /div[@LABEL='Aggregates']/div[@TYPE='Aggregated Resource']/fptr /@FILEID]/FLocat/@xlink:href	URI-AR
TODO: Finish this table...		

Extended Example

The following is a complete example METS document. This sample corresponds to the [Extended Example from the Resource Map Implementation in Atom](#) and was derived from this [Atom ReM](#) by using an [XSLT transformation](#). This example can be downloaded from [here](#). This example is also [available](#) where URIs have been used for the LABEL and TYPE attribute controlled vocabularies. TODO: Provide a minimal example/template.

```
<?xml version="1.0" encoding="UTF-8"?>
<mets xmlns:oreatom="http://www.openarchives.org/ore/atom/"
  xmlns:foaf="http://xmlns.com/foaf/0.1/"
  xmlns:xlink="http://www.w3.org/1999/xlink"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:dcterms="http://purl.org/dc/terms/"
  xmlns="http://www.loc.gov/METS/"
  xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
  xmlns:atom="http://www.w3.org/2005/Atom"
  xmlns:dc="http://purl.org/dc/elements/1.1/"
  xmlns:ore="http://www.openarchives.org/ore/terms/"
  xsi:schemaLocation="http://www.loc.gov/METS/ http://www.loc.gov/standards/mets/mets.xsd"
  OBJID="http://arxiv.org/rem/mets/astro-ph/0601007"
  LABEL="METS Resource Map for 'Parametrization of K-essence and Its Kinetic Term'"
  TYPE="Resource Map">
<metsHdr CREATEDATE="2008-10-01T18:30:02Z" LASTMODDATE="2008-10-03T07:30:34Z">
  <agent ROLE="CREATOR">
```

```

<name>arXiv.org e-Print Repository</name>
<note>URI: http://arXiv.org</note>
</agent>
<agent ROLE="IPOWNER">
  <name>http://creativecommons.org/licenses/by-nc/2.5/</name>
  <note>This Resource Map is available under the Creative Commons Attribution-Noncommercial 2.5 Generic li
</agent>
</metsHdr>
<dmdSec ID="dle3">
<mdWrap MDTYPE="OTHER" OTHERMDTYPE="RDF" MIMETYPE="application/rdf+xml">
  <xmlData>
    <rdf:Description rdf:about="http://arxiv.org/aggregation/astro-ph/0601007">
      <dcterms:creator rdf:parseType="Resource">
        <foaf:name>Hui Li</foaf:name>
        <foaf:mbx rdf:resource="mailto:lihui@somewhere.cn"/>
      </dcterms:creator>
      <dcterms:creator rdf:parseType="Resource">
        <foaf:name>Zong-Kuan Guo</foaf:name>
      </dcterms:creator>
      <dcterms:creator rdf:parseType="Resource">
        <foaf:name>Yuan-Zhong Zhang</foaf:name>
      </dcterms:creator>
      <rdf:type>
        <rdf:Description rdf:about="http://purl.org/eprint/type/JournalArticle">
          <rdfs:label>Journal Article</rdfs:label>
          <rdfs:isDefinedBy rdf:resource="http://purl.org/eprint/type/" />
        </rdf:Description>
      </rdf:type>
      <dcterms:created>2005-12-31T04:01:23Z</dcterms:created>
      <dcterms:modified>2006-01-18T06:16:15Z</dcterms:modified>
      <dcterms:abstract>We construct the non-canonical kinetic term of a k-essence field directly from t
effective equation of state function  $\omega_k(z)$ , which describes the properties of the dark
energy. Adopting the usual parametrizations of equation of state we numerically reproduce
the shape of the non-canonical kinetic term and discuss some features of the constructed
form of k-essence.</dcterms:abstract>
      <dc:title>Parametrization of K-essence and Its Kinetic Term</dc:title>
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="http://arxiv.org/aggregation/astro-ph/0601007">
      <dcterms:audience rdf:parseType="Resource">
        <rdf:value>OCLC audience level 1: research</rdf:value>
      </dcterms:audience>
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="http://arxiv.org/abs/astro-ph/0601007">
      <rdf:type rdf:resource="info:eu-repo/semantics/humanStartPage" />
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="info:eu-repo/semantics/humanStartPage">
      <rdfs:label>humanStartPage</rdfs:label>
      <rdfs:isDefinedBy rdf:resource="info:eu-repo/semantics/" />
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="http://oreproxy.org/r?what=http://arxiv.org/abs/astro-ph/0601007&where=ht
      <ore:proxyFor rdf:resource="http://arxiv.org/abs/astro-ph/0601007" />
      <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007" />
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="http://arxiv.org/ps/astro-ph/0601007">
      <dcterms:hasFormat rdf:resource="http://arxiv.org/pdf/astro-ph/0601007" />
      <dcterms:hasFormat rdf:resource="http://arxiv.org/ps/astro-ph/0601007&dpi=600&font=bitmapped" />
      <dcterms:hasFormat rdf:resource="http://arxiv.org/ps/astro-ph/0601007&dpi=300&font=bitmapped" />
      <dcterms:hasFormat rdf:resource="http://arxiv.org/ps/astro-ph/0601007&fname=cm&font=TypeI" />
      <dcterms:hasFormat rdf:resource="http://arxiv.org/dvi/astro-ph/0601007" />
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="http://oreproxy.org/r?what=http://arxiv.org/ps/astro-ph/0601007&where=htt
      <ore:proxyFor rdf:resource="http://arxiv.org/ps/astro-ph/0601007" />
      <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007" />
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="http://arxiv.org/pdf/astro-ph/0601007">
      <dcterms:conformsTo rdf:resource="info:pronom/fmt/18" />
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="http://oreproxy.org/r?what=http://arxiv.org/pdf/astro-ph/0601007&where=htt
      <ore:proxyFor rdf:resource="http://arxiv.org/pdf/astro-ph/0601007" />
      <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007" />
    </rdf:Description>
    <rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
      rdf:about="http://oreproxy.org/r?what=http://arxiv.org/ps/astro-ph/0601007%26dpi%3d6
      <ore:proxyFor rdf:resource="http://arxiv.org/ps/astro-ph/0601007&dpi=600&font=bitmapped" />
      <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007" />

```

```

</rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://oreproxy.org/r?what=http://arxiv.org/ps/astro-ph/0601007%26dpi%3d3
    <ore:proxyFor rdf:resource="http://arxiv.org/ps/astro-ph/0601007&dpi=300&font=bitmapped"/>
    <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007"/>
  </rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://oreproxy.org/r?what=http://arxiv.org/ps/astro-ph/0601007%26fname%3
    <ore:proxyFor rdf:resource="http://arxiv.org/ps/astro-ph/0601007&fname=cm&font=TypeI"/>
    <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007"/>
  </rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://oreproxy.org/r?what=http://arxiv.org/dvi/astro-ph/0601007&where=ht
    <ore:proxyFor rdf:resource="http://arxiv.org/dvi/astro-ph/0601007"/>
    <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007"/>
  </rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://export.arxiv.org/oai2?verb=GetRecord&metadataPrefix=oai_dc&identif
    <dcterms:conformsTo rdf:resource="http://www.openarchives.org/OAI/2.0/oai_dc"/>
    <rdf:type rdf:resource="info:eu-repo/semantics/descriptiveMetadata"/>
  </rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://oreproxy.org/r?what=http://export.arxiv.org/oai2?verb%3dGetRecord%
    <ore:proxyFor rdf:resource="http://export.arxiv.org/oai2?verb=GetRecord&metadataPrefix=oai_dc&iden
    <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007"/>
  </rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://oreproxy.org/r?what=http://arxiv.org/cits/astro-ph/0601007&where=h
    <ore:proxyFor rdf:resource="http://arxiv.org/cits/astro-ph/0601007"/>
    <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007"/>
  </rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://www.citebase.org/abstract?id=oai:arXiv.org:astro-ph/0601007">
    <dcterms:creator rdf:parseType="Resource">
      <foaf:name>The Citebase Project</foaf:name>
      <foaf:page rdf:resource="http://www.citebase.org/" />
      <foaf:mbox rdf:resource="mailto:tdb01r@ecs.soton.ac.uk" />
    </dcterms:creator>
  </rdf:Description>
<rdf:Description xmlns:grddl="http://www.w3.org/2003/g/data-view#"
  rdf:about="http://oreproxy.org/r?what=http://www.citebase.org/abstract?id%3doai:arXi
    <ore:proxyFor rdf:resource="http://www.citebase.org/abstract?id=oai:arXiv.org:astro-ph/0601007"/>
    <ore:proxyIn rdf:resource="http://arxiv.org/aggregation/astro-ph/0601007"/>
  </rdf:Description>
</xmlData>
</mdWrap>
</dmdSec>
</fileSec>
<fileGrp>
  <file ID="d1e19">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
      xlink:href="http://arxiv.org/aggregation/astro-ph/0601007"/>
  </file>
  <file ID="d1e57">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI" xlink:href="info:arxiv/astro-ph/0601007"/>
  </file>
  <file ID="d1e59">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
      xlink:href="info:doi/10.1142/S0217732306019475"/>
  </file>
  <file ID="d1e64" MIMETYPE="application/rdf+xml">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
      xlink:href="http://arxiv.org/rem/rdf/astro-ph/0601007"/>
  </file>
  <file ID="d1e68">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
      xlink:href="http://arxiv.org/abs/astro-ph/0601007"/>
  </file>
  <file ID="d1e72">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
      xlink:href="http://jp.arxiv.org/aggregation/astro-ph/0601007"/>
  </file>
  <file ID="d1e77">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
      xlink:href="http://arxiv.org/aggregation/astro-ph/0601007v1"/>
  </file>
  <file ID="d1e79">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
      xlink:href="http://arxiv.org/aggregation/astro-ph/0601007v2"/>
  </file>
  <file ID="d1e83">
    <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
      xlink:href="http://arxiv.org/aggregation/0807.1020"/>
  </file>

```

```

</file>
<file ID="d1e85">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/aggregation/0806.4327"/>
</file>
<file ID="d1e107" MIMETYPE="application/atom+xml">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/rem/atom/astro-ph/0601007"/>
</file>
<file ID="d1e161" MIMETYPE="text/html">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/abs/astro-ph/0601007"/>
</file>
<file ID="d1e163" MIMETYPE="application/postscript" SIZE="100">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/ps/astro-ph/0601007"/>
</file>
<file ID="d1e165" MIMETYPE="application/pdf">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/pdf/astro-ph/0601007"/>
</file>
<file ID="d1e167" MIMETYPE="application/postscript">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/ps/astro-ph/0601007&dpi=600&font=bitmapped"/>
</file>
<file ID="d1e169" MIMETYPE="application/postscript">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/ps/astro-ph/0601007&dpi=300&font=bitmapped"/>
</file>
<file ID="d1e171" MIMETYPE="application/postscript">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/ps/astro-ph/0601007&fname=cm&font=TypeI"/>
</file>
<file ID="d1e174" MIMETYPE="application/dvi">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/dvi/astro-ph/0601007"/>
</file>
<file ID="d1e176" MIMETYPE="application/xml">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://export.arxiv.org/oai2?verb=GetRecord&metadataPrefix=oai_dc&identifier=oai:
</file>
<file ID="d1e178" MIMETYPE="text/html">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://arxiv.org/cits/astro-ph/0601007"/>
</file>
<file ID="d1e180" MIMETYPE="text/html">
  <FLocat LOCTYPE="OTHER" OTHERLOCTYPE="URI"
    xlink:href="http://www.citebase.org/abstract?id=oai:arXiv.org:astro-ph/0601007"/>
</file>
</fileGrp>
</fileSec>
<structMap>
  <div TYPE="Aggregation" DMDID="d1e3">
    <fptr FILEID="d1e19"/>
    <div LABEL="seeAlso">
      <div TYPE="Resource">
        <fptr FILEID="d1e68"/>
      </div>
    </div>
    <div LABEL="Has Version">
      <div TYPE="Resource">
        <fptr FILEID="d1e77"/>
      </div>
      <div TYPE="Resource">
        <fptr FILEID="d1e79"/>
      </div>
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        <fptr FILEID="d1e83"/>
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      <div TYPE="Resource"
        LABEL="Cosmological scalar fields that mimic the  $\Lambda$  CDM cosmological model">
        <fptr FILEID="d1e85"/>
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    <div LABEL="Aggregates">
      <div TYPE="Aggregated Resource"
        LABEL="[astro-ph/0601007] Parametrization of K-essence and Its Kinetic Term">
        <fptr FILEID="d1e161"/>
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        <fptr FILEID="d1e165"/>
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        LABEL="Parametrization of K-essence and Its Kinetic Term (600 DPI Bitmapped Fonts PostScript)">
        <fptr FILEID="d1e167"/>
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    <div TYPE="Aggregated Resource"
        LABEL="Parametrization of K-essence and Its Kinetic Term (300 DPI Bitmapped Fonts PostScript)">
        <fptr FILEID="d1e169"/>
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        LABEL="Parametrization of K-essence and Its Kinetic Term (Type I Fonts PostScript)">
        <fptr FILEID="d1e171"/>
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        LABEL="Parametrization of K-essence and Its Kinetic Term">
        <fptr FILEID="d1e174"/>
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        LABEL="Dublin Core Metadata for Parametrization of K-essence and Its Kinetic Term">
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    <div TYPE="Aggregated Resource" LABEL="Citations for astro-ph/0601007">
        <fptr FILEID="d1e178"/>
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    <div TYPE="Aggregated Resource"
        LABEL="Citebase - Parametrization of K-essence and Its Kinetic Term">
        <fptr FILEID="d1e180"/>
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<div LABEL="Is Described By">
    <div TYPE="Resource Map">
        <fptr FILEID="d1e64"/>
    </div>
</div>
<div LABEL="Similar To">
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        <fptr FILEID="d1e57"/>
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    <div TYPE="Resource">
        <fptr FILEID="d1e59"/>
    </div>
</div>
<div LABEL="seeAlso">
    <div TYPE="Resource">
        <fptr FILEID="d1e72"/>
    </div>
</div>
<div LABEL="Is Described By">
    <div TYPE="Resource Map"
        LABEL="METS Resource Map for 'Parametrization of K-essence and Its Kinetic Term'">
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