

# DELIVERABLE

**Project Acronym:** EuDML  
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**Project Title:** The European Digital Mathematics Library

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## Deliverable 6.3 - Public User Interface – Initial Release

**Revision:** 1.0

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Dissemination Level

P	Public
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## Revision History

Revision	Date	Author	Organisation	Description
0.1	12/08/2011	Krzysztof Wojciechowski	ICM	First consolidated version
1.0	19/08/2011	Wojtek Sylwestrzak	ICM	Copyedit

### Statement of originality:

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

# 1. Introduction

The purpose of this document is to accompany a demonstrator deliverable D6.3, the initial release of the EuDML public User Interface. It also provides its brief description and presents a number of screenshots, representative for the User Interface.

The demonstration of the site was presented on 19 of July 2011 to the participants of the 2011 Conference on Intelligent Computer Mathematics (CICM).

## 1.1. Accessing the demo site

The demo site presenting the User Interface is available at the following URL:  
<http://demo.eudml.eu/>

It is publicly accessible without any access restrictions. The software available there will be periodically updated until the final release, to reflect the latest pre-released version.

## 2. EuDML User Interface description

### 2.1. Main page

The main page is the entry point for the service. Along with the simple search query interface, it contains some introductory information on EuDML, links to log in or register to the service and links to navigate to other parts of the service.

The screenshot displays the EuDML main page. At the top left is the logo "EuDML | The EUROPEAN DIGITAL MATHEMATICS LIBRARY". To the right of the logo are a language dropdown menu set to "English", and links for "Login" and "Register (Why Register?)". Below the logo is a navigation bar with links for "Home", "Search", "Browse by Subject", "Collections", and "Journals".

The main content area is divided into several sections:

- Search:** A search box with the placeholder text "Enter your search terms to get started" and a "Search" button. Below the search box is a link for "Advanced Search".
- Search Tips:** An orange box containing the text: "Search Tips. Make your search more accurate and effective using [Advanced Search](#) page."
- What is EUDML?:** A section with the text: "EUDML makes the mathematics literature published in Europe available online, in the form of an enduring digital collection, developed and maintained by a network of institutions."
- Features:** A list of three features:
  1. Search and explore the collection
  2. Find related items and journals
  3. Save and share you findings
 Below the list are four buttons: "Advanced Search", "Browse by Subject", "Browse by Collection", and "Browse by Journal".
- Recent Notes:** A list of three notes:
  - Synthesizing Checksums and Lambda Calculus using Jog
  - Remarks on the foundations of geometry and immersion theory.
  - A communication based model for games of imperfect information
  - Synthesizing Checksums and Lambda Calculus using Jog
  - Remarks on the foundations of geometry and immersion theory.

At the bottom of the page, there is a footer with links: "About the Project | Partners | Developer API | Feedback | version 0.2.0-SNAPSHOT, revision 1486 |" and the EuDML logo on the right.

Screenshot 2.1: EuDML Main page

## 2.2. Advanced search page

The advanced search page allows to perform more sophisticated searches using a dynamically generated form.

The screenshot shows the EuDML Advanced Search interface. At the top, the EuDML logo is displayed alongside the text 'The EUROPEAN DIGITAL MATHEMATICS LIBRARY'. A language selector is set to 'English', and there are links for 'ala ma kota' and 'Log Out'. The navigation menu includes 'Home', 'Search', 'Browse by Subject', 'Collections', and 'Journals'. The main heading is 'Advanced Search', with a 'Back to simple search' link. The search form is organized into several sections. The first section has a 'Match' dropdown set to 'All' and a label 'of the following rules'. Below this is a single 'Any field contains' dropdown and an empty input field. The second section is labeled 'And match All of the following rules' and contains two 'Any field contains' dropdowns with empty input fields, each followed by a red 'X' icon. A blue 'Add sub-clause' button is positioned below these two. The third section is another 'And match' section with one 'Any field contains' dropdown and an empty input field, also followed by a red 'X' icon and a blue 'Add sub-clause' button. The fourth section is a final 'And match' section with one 'Any field contains' dropdown and an empty input field, followed by a red 'X' icon and a blue 'Add sub-clause' button. At the bottom of the form is a blue 'Add another rule' button. A 'Search' button is located at the bottom left of the form area.

Screenshot 2.2: EuDML Advanced Search page

## **2.3. Search Results page**

After the search results are presented it is possible to narrow them using faceted search features (screenshot 2.3).

## **2.4. Journals page**

Browsing through journals is possible using the Journals page (screenshot 2.4).

## Advanced Search ◀ Back to simple search

Match All of the following rules

Any field contains

[Add sub-clause](#)

[Add another rule](#)

Currently displaying 1 – 15 of 5722



### [Twofold integral and multi-step Choquet integral](#)

Yasuo Narukawa, Vicenç Torra —  
Kybernetika

In this work we study some properties of the twofold integral and, in particular, its relation with the 2-step Choquet integral. First, we prove that the Sugeno integral can be represented as a 2-step Choquet integral. Then, we turn into the twofold integral studying some of its properties, establis...

### [Integrál Poissonův jako přímý důsledek Integrálu Cauchyova](#)

Karel Petr —  
Časopis pro pěstování matematiky a fyziky

### [Integrál Poissona jako přímý důsledek Integrálu Cauchyho](#)

Václav Láška —  
Časopis pro pěstování matematiky a fyziky

### [Взаимосвязь между AP \$\int\_{\Gamma} AP\$ -интегралом Тейлора P 2 \$P^2\$ -интегралом Джеймса](#)

В.А. Скворцов —  
Matematicheskij sbornik

### [On the distinguishing features of the Dobrakov integral.](#)

Panchapagesan, T.V. —  
Divulgaciones Matemáticas

The paper under review examines the distinguishing features of the Dobrakov integration theory of vector-valued functions with respect to an operator-valued measure which is countably additive in the strong operator topology. This theory was developed in a series of 15 papers that Dobrakov published...

### [First kind integral equations for the numerical solution of the plane Dirichlet problem](#)

Søren Christiansen —  
Applikace matematiky

### [Integrales normadas y conormadas. \(generalización de la Integral de Sugeno\).](#)

Fermin Suárez García, Pedro Gil Alvarez —  
Trabajos de Estadística e Investigación Operativa

En este trabajo se generaliza ampliamente la integral de Sugeno a partir de la definición de dos familias de integrales difusas, normadas y conormadas, de las que la integral de Sugeno es un caso particular. El propósito de este trabajo es el estudio de las propiedades de las mencionadas...

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[Download results \(CSV\)](#)

## Journals

Czechoslovak Mathematical Journal	408
International Journal of Mathematics and Mathematical Sciences	295
Commentationes Mathematicae Universitatis Carolinae	250
Sibirskij matematicheskij zurnal	248
Matematicheskij sbornik	241

[More...](#)

## Years

2010	54
2009	164
2008	177
2007	200
2006	178

[More...](#)

## Authors

Schwabik, Š	33
Král, J	30
Kurzweil, J	24
Коротков, ВБ	23
Papageorgiou, NS	22

[More...](#)

Screenshot 2.3: EuDML Search Results page

[\\_](#) [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

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<p><b>Abstr. Appl. Anal.</b> Provider: [unknown]</p>	<p><b>Abstract and Applied Analysis</b> Provider: [unknown]</p>	<p><b>Acta Math. Acad. Paedagog. Nyh'azi. (N.S.)</b> Provider: [unknown]</p>
<p><b>Acta Math. Univ. Ostrav.</b> Provider: University of Ostrava</p>	<p><b>Acta Mathematica Academiae Paedagogicae Ny'i regyh'aziensis. New Series [electronic only]</b> Provider: [unknown]</p>	<p><b>Acta Mathematica Universitatis Ostraviensis</b> Provider: University of Ostrava</p>
<p><b>Acta Univ. Palack. Olomuc. Fac. Rerum Natur. Math.</b> Provider: Palacký University Olomouc</p>	<p><b>Acta Univ. Palack. Olomuc. Fac. Rerum Natur. Math. Phys. Chem.</b> Provider: Palacký University Olomouc</p>	<p><b>Acta Univ. Sapientiae, Math.</b> Provider: [unknown]</p>
<p><b>Acta Universitatis Palackianae Olomucensis. Facultas Rerum Naturalium. Mathematica</b> Provider: Palacký University Olomouc</p>	<p><b>Acta Universitatis Palackianae Olomucensis. Facultas Rerum Naturalium. Mathematica-Physica-Chemica</b> Provider: Palacký University Olomouc</p>	<p><b>Acta Universitatis Sapientiae. Mathematica</b> Provider: [unknown]</p>
<p><b>Actes des rencontres du CIRM</b> Provider: CIRM</p>	<p><b>Actes du CIRM</b> Provider: CIRM</p>	<p><b>Adv. Difference Equ.</b> Provider: [unknown]</p>

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**Screenshot 2.4: EuDML Journals page**



## 2.5. User pages

The EuDML service allows user's registration, login and profile changing (presented in screenshots 2.5, 2.6 and 2.7 below).

**EuDML** | The EUROPEAN DIGITAL MATHEMATICS LIBRARY

English Login Register (Why Register?)

Home Search Browse by Subject Collections Journals

### Login

Login with your email address:

Email Address

Password

Use the information you registered with to login.

Not a member? [Register now.](#)

[Forgotten your password?](#)

Login >>

### Login with OpenID®

OpenID allows you to use an existing account to sign in to multiple websites, without needing to create new passwords. E.g. Google, Yahoo! accounts

OpenID:

[Learn about OpenID](#)

Login with OpenID >>

About the Project | Partners | Developer API | Feedback | version 0.2.0-SNAPSHOT, revision 1486 | **EuDML**

Screenshot 2.5: EuDML Login page

## Registration

Register now to comment on articles and add them to your bookshelf. Accounts are free.

\* Required fields

\* First Name:  \* Surname:

\* Email Address:  \* Confirm Email Address:

Institution:  Academic Level:

Location:

Subjects of interests:

Separate each subject by a comma. E.g. Applied Statistics, Linear Algebra

Biography:

A short paragraph about yourself (no more than 100 words)

\* Password:  \* Confirm Password:

Register

## Tips

### 1. Why are we collecting this information?

Given the nature of our website, we collect a limited amount of personal information such as your institution, academic level and location in order to provide a better service and give you the information you seek.

### 2. Choosing a password.

The more characters your password contains, the harder it is for someone to guess it. Use a combination of letters, numbers and symbols.

### 3. Editing your profile information

You can update your registration information once you have registered by logging in and clicking on your username in the top right corner of the site.

**Screenshot 2.6: EuDML Registration page**

## Profile

Bookshelf

Edit your profile

Change your password

\* First Name:  \* Surname:

\* Email Address:  \* Confirm Email Address:

Institution:  Academic Level:

Location:

Subjects of interests:  Separate each subject by a comma. E.g. Applied Statistics, Linear Algebra

Biography:  A short paragraph about yourself (no more than 100 words)

\* field required

Update

Screenshot 2.7: EuDML Change Profile page