Domain theory - patterns for knowledge and software reuse

L. Erlbaum Associates - DOMAIN THEORY: PATTERNS FOR KNOWLEDGE AND SOFTWARE REUSE By Alistair Sutcliffe

Description: -

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Methodism -- History.
Methodist Church -- England -- Hampshire.
Methodist Church -- England -- Berkshire.
Bills, Legislative -- Canada.
Europe -- Kings and rulers.
Courts and courtiers.
Toxicomanie -- France -- Prévention.
Toxicomanie -- France.
Representations of groups -- Congresses.
Group theory -- Congresses.
p-adic groups -- Congresses.
Computer software -- Reusability
Computer-aided software engineeringdomain theory - patterns for knowledge and software reuse
-domain theory - patterns for knowledge and software reuse
Notes: Includes bibliographical references (p. 371-383) and indexes
This edition was published in 2002

Software Reuse

- In most engineering disciplines, systems are designed by composition (building system out of components that have been used in other systems)
- Software engineering has focused on custom development of components
- To achieve better software quality, more quickly, at lower costs, software engineers are beginning to adopt *systematic reuse* as a design process

Filesize: 53.210 MB

Tags: #Domain #analysis #for #software #reuse

The Domain Theory: Patterns of Knowledge and Software Reuse

A 1992 BIT paper by Carroll, Singley, and Rosson provided the first in-depth view of the tech transfer of UE results though see the Moran and Carroll 1991 special issue and 1996 book described below. But isn't Michael Jackson's work on precisely about reusing requirements patterns? Yes if your research involves software engineering, reuse, requirements engineering, human computer interaction, knowledge engineering, ontologies and knowledge management.

Symbiosis and synergy? scenarios, task analysis and reuse of HCI knowledge

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Ian Alexander's Reviews of Books on Requirements Engineering and Related Subjects

More complex meta-domains use grounded domains as their subject matter and describe education, management, etc. These books kicked off a period of scientific application, engineering refinement, and creative design that has continued in the years since they appeared. The library of generic models is applied to analysis and design for reuse of generalised component-based frameworks by using the models as templates, with associated design knowledge in the form of attached design rationale.

The Domain Theory : Patterns for Knowledge and Software Reuse by Alistair Sutcliffe (2002, Hardcover) for sale online

Three phases highlight the progress in this evolution: — Carroll and his colleagues at IBM T. Proposes a theory for representing domain knowledge, a library of generic conceptual models and associated solution knowledge, and process for their application and reuse.

DOMAIN THEORY: PATTERNS FOR KNOWLEDGE AND SOFTWARE REUSE By Alistair Sutcliffe

A design by reuse method is described for identifying, at the analysis stage, generic abstract models of the structure and behaviour of new applications. Khutaza Park, Bell Crescent, Westlake Business Park. In so doing, it expounded upon claims as a way to reuse knowledge, by encouraging designer consideration of specialized vs abstract claims.

Domain analysis for software reuse

It connected the Scriven view of mediated evaluation to claims upsides and downsides, positioning claims as a contributor in the field of design rationale. Reusing these would indeed be powerful.

Ian Alexander's Reviews of Books on Requirements Engineering and Related Subjects

He currently participates in Esprit projects CREWS basic research in requirements , Multimedia Broker Internet retrieval , and UK funded projects Knowledge-based Browser and DATUM safety critical assessment. PO Box 30836, Tokai, 7966, South Africa.

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