

category theory and computer pdf

Category theory formalizes mathematical structure and its concepts in terms of a labeled directed graph called a category, whose nodes are called objects, and whose labelled directed edges are called arrows (or morphisms). A category has two basic properties: the ability to compose the arrows associatively, and the existence of an identity arrow for each object.

Category theory - Wikipedia

This is the first, and so far the only, book to make category theory accessible to non-mathematicians. Starting from the interesting new notion of 'ontological logs' (ologs), the basic concepts of category theory are then introduced where and when needed, inspired by applications.

Category Theory for the Sciences (The MIT Press): David I

History. Category theory first appeared in a paper entitled "General Theory of Natural Equivalences", written by Samuel Eilenberg and Saunders Mac Lane in 1945.. Definition. There are many equivalent definitions of a category. One commonly used definition is as follows.

Category (mathematics) - Wikipedia

Ambiguity Theory Posted by David Corfield. This paper "Ambiguity theory, old and new" is rather fun and would be good to understand thoroughly if we hope to get 2-Galois to do anything important. It's by Yves André of the ENS, and refers to a comment made by Galois that he was working with a théorie de l'ambiguïté. Good to see Albert Lautman receiving a mention.

Ambiguity Theory | The n-Category Café

The Table of Contents lists the main sections of the Mathematics Subject Classification. Under each heading may be found some links to electronic journals, preprints, Web sites and pages, databases and other pertinent material.

Mathematics by Classifications - mathontheweb.org

Matt Might has a blog post "Order Theory for Computer Scientists" in which he concisely outlines some basics of order theory. It is a nice post but it is targeted towards computer scientists and is possibly only of interest to that audience, especially since all of his examples are in Haskell, not that there is anything wrong with that, but I think this is unfortunate as these ideas are ...

Lattice Theory for Programmers and Non Computer Scientists

This section contains free e-books and guides on Computer Science, some of the resources in this section can be viewed online and some of them can be downloaded.

Computer Science Books - Online computer ebooks

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CATEGORY SKILL SET REF. TASK ITEM 3.1.4 Save and name a document.

ECDL ICDL Computer Essentials

The intension of this note is to introduce the subject of graph theory to computer science students in a thorough way. This note will cover all elementary concepts such as coloring, covering, hamiltonicity, planarity, connectivity and so on, it will also introduce the students to some advanced concepts.

Graph Theory Books - Free Computer books Download

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