
Monoidal Topology A Categorical Approach To Order Metric And Topology Encyclopedia Of Mathematics And Its Applications

monoidal topology - yorku math and stats - dirk hofmann gavin j. seal walter tholen (editors) monoidal topology a categorical approach to order, metric and topology contributing authors: maria manuel clementino
monoidal topology - math.yorku - monoidal topology walter tholen york university, ... first conclusions by a categorical topologist appreciate the importance of topological functors, such as **elements of monoidal topology** - **mathni** - [5] d. hofmann, g. j. seal, and w. tholen (eds.), monoidal topology: a categorical approach to order, metric and topology, cambridge university press, 2014. **a categorical perspective on entropy and a categorification ...** - monoidal product: ... it has to cooperate with the rest of the categorical structure (composition, identity, ... (semiring, topology) **categorical representations of categorical groups** - categorical group determines a monoidal bicategory of representations. ... topology, algebra and ... categorical representations of categorical groups 533 4. **classifying spaces for monoidal categories through ...** - essential part of the machinery of algebraic topology and algebraic k-theory, ... is a simplicial set that encodes the entire monoidal and categorical struc- **on monoidal (co)nuclei and their applications - sweet** - monoidal topology (mt) is a branch of categorical topology. ... on monoidal (co)nuclei and their applications sergejs solovjovs brno university of technology 9/51. **a categorical approach to order, metric and topology** - a categorical approach to order, metric and topology ... particular a monad on set can be seen as a monoid in the monoidal category **homotopy coherent category theory and a -structures in ...** - homotopy coherent category theory and a -structures in monoidal ... applications of the results obtained to the homotopy coherent category theory. **idempotents in triangulated monoidal categories - arxiv** - angulated monoidal category, ... if e is a categorical idempotent then ... open idempotents; in [bf11] they are called right and left idempotents; in topology literature **categorical universal logic: It topology and logical ...** - categorical universal logic: It topology and logical translation ... categorical dualities", ... monoidal setting **braided monoidal 2-categories and manin-schechtman higher ...** - braided monoidal 2-categories and manin-schechtman higher braid groups ... out that in the 2-categorical case we have to consider the so-called higher braid group t ... **braided monoidal categories - macquarie university** - topology, are important as ... of topological groups are categorical groups ... are braided monoidal categories. in other words jb represents the **an alternative description of braided monoidal categories** - an alternative description of braided monoidal categories **an introduction to category theory and categorical logic** - an introduction to category theory and categorical ... monoidal categories and ... comonads references an introduction to category theory and categorical logic **toward a synthetic theory of -categories, part i ...** - toward a synthetic theory of $(\infty, 1)$ -categories, part i: preliminaries ... he showed me how beautiful and unifying the categorical approach to topology **monoidal categories, bialgebras, and automata** - geometry/topology seminar october 29, 2009 ... called "duplicator" in some categorical logics j. worthington monoidal categories, bialgebras, and automata. **topological functors as total categories** - in general, categorical topology studies faithful functors not just into set, ... as in [13], involve a monoidal category v , with a v -category then having homs **categorical constructions, braidings on monoidal ...** - categorical constructions, braidings on monoidal categories and bicrossed products of ... 1.2 categorical constructions for hopf algebras ... topology. in this ... **categorical linear algebra | a setting for questions from ...** - categorical linear algebra | a setting for questions from physics and low-dimensional topology david n. yetter department of mathematics kansas state university **categorical representations of categorical groups arxiv ...** - arxiv:math/0407463v2 [math.ct] 17 sep 2004 categorical representations of categorical groups john w. barrett school of mathematical sciences university park **tensor topology - homepagesf.ed** - tensor topology pau enrique moliner, ... monoidal category with topological intuition: ... categorical approaches have been very successful in bringing topological ideas **categorical groups - universit  catholique de louvain** - categorical groups a special topic ... algebraic topology, and algebraic ... a categorical group is a monoidal category $g = (g; i; a; l; r)$... **traces in monoidal categories - ucb mathematics** - traces in monoidal categories ... can be approximated by finite rank operators in the compact open topology ... to define its categorical trace $tr(f)$ **topological functors as total categories** - a notion of central importance in categorical topology is that of topological ... [13], involve a monoidal category v , with a v -category then having homs which are ... **enrichment over iterated monoidal categories** - algebraic & geometric topology volume 4 (2004) 95 ... turn related to a categorical analogue of topological ... enrichment over iterated monoidal categories 101 ... **lax distributive laws for topology, ii** - lax distributive laws for topology, ii ... monoidal topology [7] ... compatible with the q -categorical structures a and b ; that is, **construction of physical models from category theory** - we particularly focus on monoidal ... guides us towards the categorical proof of the no-cloning ... which preserves structures within algebraic topology [1 ... **causal theories: a categorical approach to bayesian networks** - causal theories: a categorical approach to bayesian

networks brendan fong, university of oxford ... they first arose in the 1940s in algebraic topology. **a history of duality in algebraic topology james c. becker ...** - a history of duality in algebraic topology james c. becker and daniel ... a categorical way which was nally made ... monoidal category cwith multiplication ... **the homotopy categorical crossed module of a cw-complex** - topology and its applications 154 ... the homotopy categorical crossed module of a cw-complex ... monoidal groupoids where each object is invertible up to ... **lax distributive laws for topology, ii** - an indispensable tool in monoidal topology, the question arises whether it is possible to ... patible with the q-categorical structures a and b; that is, **traces in monoidal categories - peopleim-bonng** - our construction of the categorical trace ... balanced monoidal category and the trace ... be approximated by finite rank operators in the compact-open topology, ... **frobenius algebras and monoidal categories** - monoidal categories ... step 1 recall the ordinary notion of frobenius algebra over a field k ... applied categorical structures 11 (2003) 229-260. **frobenius algebras and 2d topological quantum field theories** - now the notion of a frobenius object in a monoidal category ... from topology we need ... for many fruitful discussions about frobenius algebras. themore categorical ... **galois extensions of braided tensor categories and braided ...** - journal of algebra 277 (2004) 256-281 **operads, factorization algebras, and (topological) quantum ...** - operads, factorization algebras, and (topological) quantum field theory with a flavor of higher categories claudia scheimbauer abstract. the main goal of this lecture ... **i lecture 1: t;v -categories and t;v -functors** - this lecture introduces monoidal topology in the form of (t;v) ... categorical preliminaries ... every unital quantale is a strict monoidal closed category. **defects in topological field theory: from categorical ...** - defects in topological field theory: from categorical tools to ... realistic samples have simple topology ... 3,2,1 is free symmetric monoidal bicategory on a single ... **europaen autumn school in topology 2018 - math** - europaen autumn school in topology 2018 ... for the general 1-categorical ... (sp) with the structure of a symmetric monoidal **interacting quantum observables: categorical algebra and ...** - interacting quantum observables: categorical algebra and diagrammatics ... introduce changes in topology, ... monoidal y-categories and generalised scalars in ... **karen van opdenbosch - personal homepages** - karen van opdenbosch personal data ... research in approach theory and monoidal topology (member of the ... 5th workshop on categorical methods in non-abelian ... **topology day, september 27 - universiteit utrecht** - topology day, september 27 ... the quasi-categorical version of this result is one building ... symmetric monoidal infinity-category is represented by a symmetric ... **spaces with high topological complexity - fmf.uni-lj** - the same result holds for the monoidal topological ... (endowed with the compact-open topology), ... we say that an open set $u \subseteq x \times x$ is fibrewise categorical if it **topology seminars a blitz introduction to 2- dimensional ...** - topology seminars a blitz introduction to 2-dimensional categorical structures ii by redi haderi ... monoidal categories, enriched categories, 2-categories and

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