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# Quantum Invariants Knots 3 Manifolds Gruyter

**quantum invariants of seifert 3-manifolds and their ...** - with the quantum invariants of knots and 3-manifolds is that they are rather hard to calculate. ... 3 quantum invariants of seifert manifolds **quantum invariants of knots and 3-manifolds** - quantum invariants of knots and 3-manifolds clément maria the university of queensland june 2015 **quantum invariants of knots - dur** - jonathan grant quantum invariants of knots february 20, 2014 3 / 29. definition the braid group  $B_n$  ... jonathan grant quantum invariants of knots february 20, ... **quantum invariants for handlebody-knots** - quantum invariants for handlebody-knots atsuhiko mizusawa and jun murakami abstract. we construct quantum invariants for handlebody-knots in a 3-sphere  $S^3$ . **quantum invariants of knots and the hyperbolic volume jun ...** - quantum invariants of knots and the hyperbolic volume jun murakami waseda university group 29 aug. 24, 2012, chern institute for mathematics, nankai univ., tianjin **wall crossing invariants: from quantum mechanics to knots** - wall crossing invariants: from quantum mechanics to knots d ... are knot invariants [2, 3]. ... in quantum group theory this is achieved by making the elements of ... **modular forms and quantum knot invariants - birs** - for the kashaev invariants of knots. ... 3 quantum invariants. this talk presented work-in-progress on higher depth quantum modular forms arising from  $sl_2$  **quantum groups and knot invariants - mit mathematics** - quantum groups and knot invariants martina balagovic (live texed by steven sam) 1. knots we discuss the jones-conway polynomial, also known as  $hom$  **quantum invariants of 3-manifolds - imj-prg** - quantum invariants of 3-manifolds ... quantum invariant, 3-manifold, ... ribbon categories nicely fit the theory of knots and links in  $S^3$ . **geometric structures of 3-manifolds and quantum invariants** - physics originated invariants quantum invariants of knots/3-manifolds effie kalfagianni (msu) j 2 / 21. warm up: 2-d model geometries: **introduction to quantum invariants of knots** - introduction to quantum invariants of knots roland van der veen abstract by introducing a generalized notion of tangles we show how the algebra behind quantum knot ... **quantum invariants of knots and 3 manifolds de gruyter ...** - read online now quantum invariants of knots and 3 manifolds de gruyter studies in mathematics ebook pdf at our library. get quantum invariants of knots and 3 ... **quantum invariants of knots and 3 manifolds pdf** - turaev quantum invariants of knots and 3 manifolds though the topological invariants arising from the quantum theory are trivial. then for the left-handed trefoil ... **the quantum -invariant of a family of knots** - the quantum .  $sl_2$ -invariant of a family of knots . ... lie algebra representations, and construction of quantum invariants. in section 3, we present the **quantum invariants of knots and 3-manifolds - toc** - de gruyter studies in mathematics 18 quantum invariants of knots and 3-manifolds bearbeitet von vladimir g. turaev überarbeitet 2010. buch. xii, 604 s. hardcover **invariants of knots and 3-manifolds from quantum groupoids** - topology and its applications 127 (2003) 91-123 elsevier/locate/topol invariants of knots and 3-manifolds from quantum groupoids dmitri nikshycha ... **quantum invariants of seifert 3-manifolds and their ...** - issn 1464-8997 (on line) 1464-8989 (printed) 69 geometry & topology monographs volume 4: invariants of knots and 3-manifolds (kyoto 2001) pages 69-87 **de gruyter studies in mathematics 18 niels jacob · karl ...** - vladimir g.turaev quantum invariants of knots and 3-manifolds second revised edition de gruyter **a crash course in quantum invariants of knots 1 - umr 5582** - a crash course in quantum invariants of knots 1 louisfunar institut fourier bp 74, univ. grenoble i, 38402 saint-martin-d'heres ... 3. seifert surfaces for links 12 4. **quantum curves and quantum knot invariants (14w5073 ...** - quantum curves and quantum knot invariants (14w5073) ... the logarithmic invariant to knots in a 3-manifold by combining with the hennings invariant, which comes **quantum invariants - christopher douglas** - references for topological field theory. kock, frobenius algebras and 2d topological quantum field theories. ohtsuki, quantum invariants: a study of knots, 3 ... **quantum knot invariants - resmathsci.springeropen** - knots[15]andall2-fusionknots[10]. 2.3 the colored jones polynomial and the  $psl(2, c)$  character variety in this section ... **[238716] - quantum invariants of knots and 3 manifolds ...** - [238716] - quantum invariants of knots and 3 manifolds quantum invariants of knots and 3 manifolds in hindsight the discovery in 1984 of the jones polynomial was the **geometric structures and knot invariants** - (quantum invariants) knots and 3-manifolds often enter the picture through their combinatorial descriptions: e.g. knot diagrams, dehn surgery presentations.. **quantum modular forms - max planck society** - quantum field theory and because several of the examples come from quantum invariants of knots and 3-manifolds, ... quantum modular forms 3 **problems on invariants of knots and 3-manifolds** - 7 quantum and perturbative invariants of 3-manifolds 471 ... problems on invariants of knots and 3-manifolds 379 cisely those which can, and therefore must, ... **on the quantum  $sl_2$  invariants of knots and integral ...** - issn 1464-8997 (on line) 1464-8989 (printed) 55 geometry & topology monographs volume 4: invariants of knots and 3-manifolds (kyoto 2001) pages 55-68 **quantum groups and knot invariants - willkommen** - quantum groups and knot invariants christian kassel, ... knots, links, and link diagrams 45 ... quantum theory of invariants . 74 7.3. **quantum framed knot invariants - mat.uniroma1** - quantum framed knot invariants marta catalano ... knots can be represented by knot diagrams, ... knot invariants, connect quantum groups to this method and finally show **volume conjecture for various quantum  $so(3)$  invariants jun ...** - volume conjecture for various quantum  $so(3)$  invariants jun murakami department of mathematics, ... the colored jones invariants of knots and links are extended to the **topological**



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