

Some books about invariants of knots, 3-manifolds and related topics:

- (1) J. S. Carter, D. E. Flath, M. Saito, The classical and quantum 6j-symbols Mathematical Notes, Vol. 43, Princeton University Press, 1995.
- (2) C. Kassel, M. Rosso, V. Turaev, Quantum groups and knot invariants, Panoramas et Syntheses, Numero 5, 1997.
- (3) L. H. Kauffman, Knots and physics, Series on Knots and Everything, Vol. 1, World Scientific, 2001.
- (4) L.H. Kauffman, S. L. Lins, Temperley-Lieb recoupling theory and invariants of 3-manifolds, Annals of Mathematics Series, Volume 134, Princeton University Press, 1994.
- (5) A. Kirillov, B. Bakalov, Lectures on tensor categories and modular functor, AMS, 2001, ISBN-13: 978-0821826867 ISBN-10: 0821826867.
- (6) T. Kohno, "Conformal Field Theory and Topology", Translations of Mathematical Monographs, Iwanami Series in Modern Mathematics, AMD 2002.
- (7) T. Ohtsuki, Quantum Invariants, Worlds Scientific, Series on knots and Everything, v. 29, 2001.
- (8) V. G. Turaev, Quantum invariants of knots and 3-manifolds, De Gruyter, 2016.
- (9) V. G. Turaev, Homotopy quantum field theory, EMS Tracts in Mathematics, Vol. 10, 2010.

Some books on quantum groups:

- (1) K. Brown and K. Goodearl, Lectures on Algebraic Quantum Groups, Springer, 2002.
- (2) V. Chari and A. Pressley, A Guide to Quantum Groups, Cambridge University Press, 1995.
- (3) P. Etingof, O. Schiffmann, Lectures on quantum groups, International Press, 2002.
- (4) P. Etingof, S. Gelaki, D. Nikshych, V. Ostrik, Tensor Categories, Mathematical Surveys and Monographs Volume: 205; 2015;
- (5) J. C. Jantzen, Lectures on Quantum groups, Graduate Studies in Mathematics, Volume 6, AMS, 1996.
- (6) A. Joseph, Quantum Groups and Their Primitive Ideals, Springer, 1995.
- (7) C. Kassel, Quantum Groups, Graduate Texts in Mathematics, Volume 155, Springer-Verlag, 1995.
- (8) A. Klimyk, K. Schmudgen, Quantum Groups and Their Representations, Springer, 1997.
- (9) G. Lusztig, Introduction to Quantum Groups, Birkhauser, 2010.
- (10) S. Majid, Foundations of Quantum Group Theory, Cambridge University Press, 1995.
- (11) S. Montgomery, Hopf Algebras and Their Actions on Rings, CBMS Regional Conference Series in Mathematics Volume: 82, AMS, 1993;
- (12) D.E. Radford, Hopf Algebras, Series on Knots and Everything, Vol. 49, World Scientific, 2012.

Some books on quantum field theory and topological quantum field theory with more physics flavor:

- (1) E. Guadagnini, The link invariants of the Chern-Simons field theory: new developments in topological quantum field theory, De Gruyter Expositions in Mathematics, Book 10, 2011
- (2) A.S. Schwarz, Quantum field theory and topology, Springer, 1993.