

Publikációk jegyzéke

Tudományos fokozat megszerzése előtt megjelent dolgozatok

1. Tudományos cikkek

1.A. Egyszerzős művek

1. *Spontaneous Compactification to Non-Symmetric Coset Spaces*
P. Bantay, Mod.Phys.Lett. **A2**, 57-61 (1987).
2. *Orbifold Compactification of Heterotic String Theories*
P. Bantay, Phys.Lett. **B203**, 367-370 (1988).
3. *Symmetry Breaking in Orbifold Models*
P. Bantay, Phys.Lett. **B220**, 531-532 (1989).
4. *Orbifolds and Hopf Algebras*
P. Bantay, Phys.Lett. **B245**, 477-479 (1990).
5. *Orbifolds, Hopf algebras and the Moonshine*
P. Bantay, Lett.Math.Phys. **22**, 187-194 (1991) .

2. Nemzetközi konferenciák kiadványai

1. *The Use of Ramification Theory in Orbifold Models*
P. Bantay, in *Frontiers in Nonperturbative Field Theory* (eds. Z. Horváth, L. Palla and A. Patkós), World Scientific, Singapore, 414-419 (1989).

2. *Orbifolds and Hopf Algebras*

P. Bantay, *Proceedings of the 14th Johns Hopkins Workshop on Particle Physics*, World Scientific, Singapore, 375-381 (1991).

Tudományos fokozat megszerzését követően megjelent dolgozatok

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1.A. Egyszerzős művek

1. *Higher Genus Characters of Orbifolds*

P. Bantay, *Phys.Lett.* **B282**, 349-351 (1992).

2. *Algebraic Aspects of Orbifold Models*

P. Bantay, *Int.J.Mod.Phys.* **A9**, 1443-1456 (1994).

3. *The Frobenius-Schur Indicator in Conformal Field Theory*

P. Bantay, *Phys.Lett.* **B394**, 87-88 (1997).

4. *The Untwisted Stabilizer in Simple Current Extensions*

P. Bantay, *Phys.Lett.* **B396**, 183-185 (1997).

5. *Simple Current Extensions and Mapping Class Group Representations*

P. Bantay, *Int.J.Mod.Phys.* **A13**, 199-207 (1998).

6. *Characters and Modular Properties of Permutation Orbifolds*

P. Bantay, *Phys.Lett.* **B419**, 175-178 (1998).

7. *Frobenius-Schur Indicators, the Klein-bottle Amplitude, and the Principle of Orbifold Covariance*

P. Bantay, *Phys.Lett.* **B488**, 207-210 (2000).

8. *Orbifoldization, covering surfaces and uniformization theory*

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9. *Permutation Orbifolds*
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10. *The kernel of the modular representation and the Galois action in RCFT*
P. Bantay, Commun.Math.Phys. **233**, 423-438 (2003).
11. *Galois currents and the projective kernel in Rational Conformal Field Theory*
P. Bantay, **JHEP03**:025 (2003).
12. *Symmetric products, permutation orbifolds and discrete torsion*
P. Bantay, Lett.Math.Phys. **63**, 209-218 (2003).
13. *On generalizations of Verlinde's formula*
P.Bantay, J.Gem.Phys. **48**, 44-51 (2003).
14. *Simple current symmetries in RCFT*
P. Bantay, **JHEP01**:006 (2005).

1.B. Többszerzős művek

1. *Avalanche Dynamics from Anomalous Diffusion*
P. Bantay and I.M. Jánosi, Phys.Rev.Lett. **68**, 2058-2061 (1992).
2. *Self-Organization and Anomalous Diffusion*
P. Bantay and I.M. Jánosi, Physica **A185**, 11-18 (1992).
3. *Ultrametric matrices and representation theory*
P. Bántay and G. Zala, J.Phys.A:Math.Gen. **30**, 6811-6820 (1997).
4. *Mapping Class Group Representations and Generalized Verlinde Formula*
P. Bantay and P. Vecsernyés, Int.J.Mod.Phys. **A14**, 1325-1335 (1999).
5. *Statistical test of throwing events on the rotating Earth*
I.M. Jánosi and P. Bántay, Eur.Phys.J. **B30**, 411-415 (2002).

6. *Conformal characters and the modular representation*
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2. Egyetemi tankönyvek és jegyzetek

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3. Népszerűsítő cikkek

1. *Neumann János és a kvantumelmélet*
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2. *Permutation orbifolds and their applications*
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