

# SPISAK RADOVA MARKA VOJINOVIĆA

Radovi objavljeni nakon izbora u prethodno zvanje (naučni saradnik)

KATEGORIJA M21:

- [1] M. Vasić, M. Vojinović, “Test membranes in Riemann-Cartan spacetimes”, *Phys. Rev. D* **81**, 024025 (2010).  
DOI: 10.1103/PhysRevD.81.024025  
[impakt-faktor: 5.050]
- [2] A. Miković, M. Vojinović, “Large-spin asymptotics of Euclidean LQG flat-space wavefunctions”, *Adv. Theor. Math. Phys.* **15**, 801 (2011).  
DOI: 10.4310/ATMP.2011.v15.n3.a5  
[impakt-faktor: 2.034]
- [3] A. Miković, M. Vojinović, “Effective action and semiclassical limit of spin foam models”, *Class. Quant. Grav.* **28**, 225004 (2011).  
DOI: 10.1088/0264-9381/28/22/225004  
[impakt-faktor: 3.320, 6 citata]
- [4] A. Miković, M. Vojinović, “Poincare 2-group and quantum gravity”, *Class. Quant. Grav.* **29**, 165003 (2012).  
DOI: 10.1088/0264-9381/29/16/165003  
[impakt-faktor: 3.320]
- [5] A. Miković, M. Vojinović, “A finiteness bound for the EPRL/FK spin foam model”, *Class. Quant. Grav.* **30**, 035001 (2013).  
DOI: 10.1088/0264-9381/30/3/035001  
[impakt-faktor: 3.320, 2 citata]
- [6] M. Vojinović, “Cosine problem in EPRL/FK spinfoam model”, *Gen. Relat. Gravit.* **46**, 1616 (2014).  
DOI 10.1007/s10714-013-1616-8  
[impakt-faktor: 1.902]

KATEGORIJA M31:

- [7] M. Vojinović, “Category Theory in Spincube Model of Quantum Gravity”, *Proceedings of the Vth Petrov international Symposium “High Energy Physics, Cosmology and Gravity”*, 29. April — 5. May 2012, BITP, Kyiv, Ukraine, ed. Stepan S. Moskaliuk (TIMPANI), p. 287–299 (2012).

### KATEGORIJA M33:

- [8] A. Miković, M. Vojinović, “Effective action for EPRL/FK spin foam models”, *Jour. Phys. Conf. Ser.* **360**, 012049 (2012).

DOI: 10.1088/1742-6596/360/1/012049

[3 citata]

|                                 |   | Neophodno | Ostvareno |
|---------------------------------|---|-----------|-----------|
| <b>Viši naučni<br/>saradnik</b> | Ukupno  | 48        | 52        |
|                                 | $M_{10} + M_{20} +$<br>$M_{31} + M_{32} + M_{33} +$<br>$M_{41} + M_{42} + M_{51}$                   | 40        | 52        |
|                                 | $M_{11} + M_{12} +$<br>$M_{21} + M_{22} + M_{23} + M_{24} +$<br>$M_{31} + M_{32} + M_{41} + M_{42}$ | 28        | 51        |

### Radovi objavljeni pre izbora u zvanje naučni saradnik

### KATEGORIJA M21:

- [9] M. Vasilić, M. Vojinović, “Classical String in Curved Backgrounds”, *Phys. Rev. D* **73**, 124013 (2006).
- [10] M. Vasilić, M. Vojinović, “Classical Spinning Branes in Curved Backgrounds”, *JHEP* 07(2007)028.
- [11] M. Vasilić, M. Vojinović, “Zero-size Objects in Riemann-Cartan Spacetime”, *JHEP* 08(2008)104.
- [12] M. Vasilić, M. Vojinović, “Spinning branes in Riemann-Cartan spacetime”, *Phys. Rev. D* **78**, 104002 (2008).

### KATEGORIJA M22:

- [13] M. Vasilić, M. Vojinović, “Interaction of particle with the string in pole-dipole approximation”, *Fortschr. Phys.* **56**, 542-546 (2008).

### KATEGORIJA M33:

- [14] M. Vasilić, M. Vojinović, “Classical String in Curved Backgrounds”, *4th Summer School in Modern Mathematical Physics*, Belgrade, Serbia, 3–14. September 2006, editors: B. Dragovich, Z. Rakić (SFIN, XX A1 2007) 403 — 411.

- [15] M. Vasilić, M. Vojinović, “Single-pole interaction of the particle with the string”, *7th International Conference "Symmetry in Nonlinear Mathematical Physics"*, Kyiv, Ukraine, 24–30. June 2007, SIGMA **4**, 019 (2008).

#### KATEGORIJA M34:

- [16] M. Vasilić, M. Vojinović, “Interaction of Particle With the String”, *BW2007 III Southeastern European Workshop "Challenges Beyond the Standard Model"*, Kladovo, Serbia, 2–9. September 2007, editors: G. Djordjevic, M. Haack, Lj. Nesic (BW2007 Book of Abstracts, Faculty of Sciences and Mathematics, Section of Serbian Physical Society, Niš 2007), p. 40.

#### KATEGORIJA M63:

- [17] M. Vojinović, “Self–Dual Lagrangians for Massless Vector Field”, *Zbornik radova sa 11. kongresa fizičara Srbije i Crne Gore*, Petrovac na moru, Srbija i Crna Gora, 3–5. jun 2004. godine, urednici: N. Konjević, B. Vujičić i P. Miranović (2004) 5-161 — 5-164.
- [18] M. Vasilić, M. Vojinović, “Spin-Orbit Interaction of the Particle with the String”, *Proceedings of the 1st International Conference on Fundamental Interactions*, September 26-28, 2007, Iriški Venac, Novi Sad, Serbia, *J. Res. Phys.* **31**, 94 (2007).

#### KATEGORIJA M71:

- [19] M. Vojinović, “Kretanje ekstendiranih objekata u gravitacionom polju sa torzijom”, Fizički fakultet Univerziteta u Beogradu, 2008, mentor: prof. dr Milovan Vasilić.

#### KATEGORIJA M72:

- [20] M. Vojinović, “Kretanje klasične strune u zakrivljenom prostorvremenu”, Fizički fakultet Univerziteta u Beogradu, 2006, mentor: prof. dr Milovan Vasilić.