

## 査読付き雑誌掲載論文

- [1] Pravabati Chingambam, Hironobu Kihara, Muneto,  
“Gauge symmetry breaking in ten-dimensional Yang-Mills theory dynamically compactified on  $S^6$ ”,  
Phys.Rev.D81:085008(2010), arXiv:0912.3128
- [2] ○ Hironobu Kihara, Muneto Nitta, Misao Sasaki, Chul-Moon Yoo, Ignacio Zaballa,  
“Dynamical Compactification and Inflation in Einstein-Yang-Mills Theory with Higher Derivative Coupling”,  
Phys.Rev.D80(2009), APCTP Pre209-003, KIAS-P09016, YITP-09-32, arXiv:0906.4493
- [3] ○ Hironobu Kihara,  
“Finite Energy Monopoles in Non-Abelian Gauge Theories on Odd-dimensional Spaces”,  
Phys.Rev.D79(2009) 045021, arXiv:0810.4750
- [4] Hironobu Kihara and Muneto Nitta,  
“Generalized Instantons on Complex Projective Spaces”,  
J.Math.Phys.50(2009) 01230, arXiv:0807.1259
- [5] Hironobu Kihara,  
“Five-dimensional Monopole Equation with Hedge-Hog Ansatz and Abel’s Differential Equation”,  
Phys. Rev. D 77 (2008) 127703, arXiv:0802.3244
- [6] Hironobu Kihara and Muneto Nitta,  
“Exact Solutions of Einstein-Yang-Mills Theory with Higher-Derivative Coupling”,  
Phys.Rev. D76 (2007) 085001, arXiv:0704.0505
- [7] Hironobu Kihara and Muneto Nitta,  
“Classical solution in six-dimensional gauge theory with higher derivative coupling”,  
Phys. Rev. D 77, 047702 (2008), hep-th/0703166
- [8] H. Itoyama, H. Kihara and R. Yoshioka,  
“Partition functions of reduced matrix models with classical gauge groups”,  
Nucl.Phys. B762 (2007) 285-300, hep-th/0609063.
- [9] Hironobu Kihara, Makoto Sakaguchi and Yukinori Yasui,  
“Scalar Laplacian on Sasaki-Einstein manifolds  $Y^{p,q}$ ”,  
Phys. Lett. B621 (2005) 288-294, hep-th/0505259.

- [10] Hironobu Kihara, Yutaka Hosotani and Muneto Nitta,  
 “Generalized Monopoles in Six-dimensional non-Abelian Gauge Theory”,  
 OU-HET-478 Phys. Rev. D71:(2005)041701, hep-th/0408068.
- [11] ○ B. Chen, H. Itoyama and H. Kihara,  
 “Nonabelian monopoles from matrices”,  
 Nucl. Phys. B577 (2000) 23-46, hep-th/9909075.
- [12] B. Chen, H. Itoyama and H. Kihara,  
 “Non-Abelian Berry Phase, Yang-Mills Instanton and USp(2k) Matrix Model ”,  
 Mod. Phys. Lett. A14 (1999) 869-877, hep-th/9810237.

\* ○ は主要論文  
 出版準備中他

1. Hironobu Kihara,  
 “Generalized Self-Duality Equations of Polynomial Type in Yang-Mills Theories”,  
 arXiv:1103.0388[hep-th].
2. Hironobu Kihara,  
 “Embedding the Cremmer-Scherk Configuration into SO(16) and Effective SO(10) Gauge  
 Symmetry”,  
 arXiv:1004.2113[hep-th].
3. Hironobu Kihara,  
 “A Class of Five-Dimensional Multi-Charged Tchrakian Monopoles”,  
 arXiv:0910.4425[hep-th].
4. Hironobu Kihara, Eoin O Colgain,  
 “Self-Duality Equations on  $S^6$  from  $R^7$  monopole”,  
 arXiv:0906.4610[hep-th].
5. Hironobu Kihara,  
 Grand Partition Functions of Little Matrix Models with ABCD”,  
 arXiv:0803.3984[hep-th].