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## Publikationer

### Visualizing automorphisms of graph algebras

Avery, J. E., Johansen, R. & Szymanski, W., 1. feb. 2018, I : Proceedings of the Edinburgh Mathematical Society. 61, 1, s. 215-249

### The $C^*$ -algebras of quantum lens and weighted projective spaces

Brzezinski, T. & Szymanski, W., 2018, I : Journal of Noncommutative Geometry. 12, 1, s. 195-215

### Endomorphisms of the Cuntz algebras and the Thompson groups

Barlak, S., Hong, J. H. & Szymanski, W., 2017, (Accepted/In press) I : Studia Mathematica. 11 s.

### On cohomology for product systems

Hong, J. H., Son, M. J. & Szymanski, W., 2017, I : Banach Journal of Mathematical Analysis. 11, 2, s. 282-294

### On endomorphisms of the Cuntz algebra which preserve the canonical UHF-subalgebra, II

Hayashi, T., Hong, J. H. & Szymanski, W., 2017, I : Journal of Functional Analysis. 272, 2, s. 759-775

### Pure infiniteness and ideal structure of $C^*$ -algebras associated to Fell bundles

Kwasniewski, B. & Szymanski, W., 2017, I : Journal of Mathematical Analysis and Applications. 445, 1, s. 898-943

### Topological aperiodicity for product systems over semigroups of Ore type

Kwasniewski, B. & Szymanski, W., 2016, I : Journal of Functional Analysis. 270, 9, s. 3453-3504

### On conjugacy of MASAs and the outer automorphism group of the Cuntz algebra

Conti, R., Hong, J. H. & Szymanski, W., apr. 2015, I : Proceedings of the Royal Society of Edinburgh Section A: Mathematics. 145, 2, s. 269-279

### On Normalizers of $C^*$ -Subalgebras in the Cuntz Algebra $O_n$ . II

Hayashi, T. & Szymanski, W., 2015, I : Banach Journal of Mathematical Analysis. 9, 4, s. 379-383

### The Weyl group of the Cuntz algebra

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### Endomorphisms of graph algebras

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### KMS states on Nica-Toeplitz algebras of product systems

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### Analysis of Endomorphisms

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### **Automorphisms of the Cuntz algebras**

Conti, R. & Szymanski, W., 2012, *Progress in operator algebras, noncommutative geometry, and their applications: Proceedings of the 4th annual meeting of the European Noncommutative Geometry Network, Bucharest, April 25-30, 2011*. Popescu, I. & Purice, R. (red.). Bucharest: Theta, s. 1-15 (Theta Series in Advanced Mathematics).

### **Endomorphisms of graph C\*-algebras**

Szymanski, W., 2012, I : Oberwolfach Reports. 9, 2, s. 1183–1229

### **Endomorphisms of the Cuntz algebras**

Conti, R., Hong, J. H. & Szymanski, W., 2012, I : Banach Center Publications. 96, s. 81-97

### **The Cuntz algebra $\mathcal{Q}_N$ and C\*-algebras of product systems**

Hong, J. H., Larsen, N. S. & Szymanski, W., 2012, *Progress in operator algebras, noncommutative geometry, and their applications: Proceedings of the 4th annual meeting of the European Noncommutative Geometry Network, Bucharest, April 25-30, 2011*. Popescu, I. & Purice, R. (red.). Bucharest: Theta, s. 97-109 (Theta Series in Advanced Mathematics).

### **The restricted Weyl group of the Cuntz algebra and shift endomorphism**

Conti, R., Hong, J. H. & Szymanski, W., 2012, I : Journal fuer die Reine und Angewandte Mathematik. 2012, 667, s. 177-191

### **Labeled trees and localized automorphisms of the Cuntz algebras**

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### **C\*-algebras asociated to C\*-correspondences and applications to mirror quantum spheres**

Robertson, D. & Szymanski, W., 2011, I : Illinois Journal of Mathematics. 55, 3, s. 845-870

### **More localized automorphisms of the Cuntz algebras**

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### **On invariant MASAs for endomorphisms of the Cuntz algebras**

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### **Endomorphisms of $\mathcal{O}_n$ which preserve the canonical UHF-subalgebra**

Conti, R., Rørdam, M. & Szymanski, W., 1. aug. 2009, I : Journal of Functional Analysis. 259, 3, s. 602-617 16 s.

### **Computing the Jones index of quadratic permutation endomorphisms of $\mathcal{O}_2$**

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### **Noncommutative balls and mirror quantum spheres**

Szymanski, W. & Hong, J. H., 3. mar. 2008, I : Journal of the London Mathematical Society. 77, 3, s. 607-626 20 s.

### **A pseudo-cocycle for the comultiplication on the quantum $SU(2)$ group**

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### **On localized automorphisms of the Cuntz algebras which preserve the diagonal subalgebra**

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### **Inhibitory zinc-enriched terminals in mouse spinal cord**

Danscher, G., Jo, S. M., Varea, E., Wang, Z., Cole, T. B. & Schrøder, H. D., 2001, I : Neuroscience. 105, 4, s. 941-947 6 s.

### **Zinc-enriched boutons in rat spinal cord.**

Schrøder, H. D., Danscher, G., Jo, S. M. & Su, H., 16. jun. 2000, I : Brain Research. 868, 1, s. 119-22 3 s.

## **Aktiviteter**

### **Operator algebras and single operators via dynamical properties of dual objects (Ekstern organisation)**

Wojciech Szymanski (Medlem)

1. okt. 2014 → 30. sep. 2016

### **Local and global structures of groups and their algebras (Ekstern organisation)**

Wojciech Szymanski (Medlem)

2014 → 2018

### **FNU International Networks (Ekstern organisation)**

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2013

### **Operator algebras, dynamical systems and quantum information (Ekstern organisation)**

Wojciech Szymanski (Medlem)

2013 → 2015

### **Operator algebras, dynamical systems and quantum information theory (Ekstern organisation)**

Wojciech Szymanski (Medlem)

2013 → 2015

### **Operator algebra and dynamics**

Wojciech Szymanski (Arrangør)

15. maj 2012 → 20. maj 2012

### **Endomorphisms, semigroups and C\*-algebras of rings**

Wojciech Szymanski (Arrangør)

8. apr. 2012 → 14. apr. 2012

### **Endomorphisms of graph algebras**

Wojciech Szymanski (Taler)

apr. 2012

### **Endomorphisms of the Cuntz algebras**

Wojciech Szymanski (Taler)

12. mar. 2012

### **Experimental mathematics in number theory, operator algebras and topology (Ekstern organisation)**

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### **Endomorphisms of the Cuntz algebras**

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**Structure and symmetry (Ekstern organisation)**

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**Endomorphisms of the Cuntz algebras**

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**On permutation related automorphisms of the Cuntz algebras**

Wojciech Szymanski (Foredragsholder)  
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