

# Bent Functions: Results And Applications To Cryptography By Natalia Tokareva

**By Natalia Tokareva**

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Translation properties of time scales and almost periodic functions. some of its applications. Results Math. v35. 3 of useful functions in cryptography.

<http://dl.acm.org/citation.cfm?id=2668751>

## **Persons: Tokareva Natalia Nikolaevna - Math-Net.Ru -**

Tokareva Natalia Nikolaevna: Tokareva N.N. Symmetric cryptography. N. N. Tokareva, Bent functions: results and applications.

[http://www.mathnet.ru/php/person.phtml?&personid=25259&option\\_lang=eng](http://www.mathnet.ru/php/person.phtml?&personid=25259&option_lang=eng)

## **WCC 2011 - Program -**

A Survey of Old and Recent Results Antoine Joux; 12:05 A construction of bent functions from plateaued functions Natalia Shekhunova; Wednesday April 13. 9

<http://wcc2011.inria.fr/index.php?page=program>

## **Generalizations of bent functions. A survey - -**

Bent functions (Boolean functions with extreme nonlinearity properties) are actively studied for their numerous applications in cryptography, coding theory, and other

<http://link.springer.com/article/10.1134/S1990478911010133>

### **Quaternary Constant-Amplitude Codes for Multicode -**

Look for results that meet for the following criteria: Every codeword of such a code corresponds to a quaternary bent function, Natalia Tokareva

<http://academic.research.microsoft.com/Paper/4367934.aspx>

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Abstracts from the 20th Conference on Applications of Computer Algebra .

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### **A note on complete polynomials over finite fields -**

A note on complete polynomials over finite fields and their applications in cryptography. and bent functions results are applied in the design of bent

<http://www.sciencedirect.com/science/article/pii/S1071579713001135>

### **Duality between bent functions and affine -**

A Boolean function in an even number of Duality between bent functions and affine functions. Natalia Tokareva; N.N. Tokareva; Bent functions: results and

<http://www.sciencedirect.com/science/article/pii/S0012365X11002743>

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### **Bent Functions - Natalia Tokareva - Bok -**

Bent Functions: Results and Applications to Cryptography offers a unique survey of the objects of discrete mathematics known as Boolean bent functions.

<http://www.bokus.com/bok/9780128023181/bent-functions/>

### **Amazon.co.uk: Tokareva: Books -**

Bent Functions: Results and Applications to Cryptography 1 Aug 2015. by Natalia Tokareva. Paperback. by Viktoria Tokareva and Rosamund Bartlett.

<http://www.amazon.co.uk/Books->

[Tokareva/s?ie=UTF8&page=1&rh=n%3A266239%2Cp\\_27%3ATokareva](http://www.amazon.co.uk/Books-Tokareva/s?ie=UTF8&page=1&rh=n%3A266239%2Cp_27%3ATokareva)

### **Algebraic immunity of bent functions of the Dillon -**

The algebraic immunity of a Boolean function of  $n$  Tokareva, N N (2009) Bent Functions: Results and Applications. Vectorial Boolean Functions for Cryptography.

<http://link.springer.com/article/10.1134/S1990478914040097>

## **Bent Functions - Research and Markets -**

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## **ON THE NUMBER OF BENT FUNCTIONS FROM ITERATIVE -**

Natalia Tokareva Sobolev Institute of On the number of bent functions from iterative constructions N. Tokareva, \Nonlinear Boolean Functions: Bent Functions

<http://eprint.iacr.org/2011/083.pdf>

## **Natalia Tokareva (Author of What It Is Like in -**

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tokareva@math .nsc.ru International Conference BFCA Boolean Functions: Cryptography and Applications P. Results on bent functions // J. Comb

<http://cyberleninka.ru/article/n/bent-funktsii-rezultaty-i-prilozheniya-obzor-rabot>

## **On the classification of algebraic function fields -**

Duality between bent functions and affine functions: Natalia Tokareva: A Boolean function in an even number of variables is called bent if of the edge results

<http://dl.acm.org/citation.cfm?id=2646147>

## **Boolean functions in coding theory and cryptology -**

We observe that the bent functions constructed via by Natalia N. Tokareva Boolean Functions: Cryptography and Applications BFCA 08

<http://citeseerx.ist.psu.edu/showciting?cid=4386992>

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<http://www.hindawi.com/journals/algebra/2014/701298/ref/>

### **dblp: Patrick Sol -**

Towards the classification of self-dual bent functions in eight variables. and applications to Golden space-time coded modulation. ISIT 2009: Natalia Tokareva:

<http://dblp.uni-trier.de/pers/hd/s/Sol=eacute=:Patrick>