

# Number Theory Zoo

A new name for ANTS?

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Rump session of -XIV

Between July the 1st and July the 2nd, 2020

Quarkslab

If I correctly understood:





- ANTS is not a registered trademark
- so maybe one day, we may lose the ability to use the ANTS name

What if we cannot use anymore the ANTS name?

# Other ANTS conferences

## Conference Data

Search:

Name	 Abbv.	 Rank	 Source 
International Symposium on Advanced Networks and Telecommunication Systems	ANTS_C	B4	Qualis
International Symposium on Algorithmic Number Theory	ANTS	B1	Qualis
International Workshop on Ant Colony	ANTS	B	ERA
International Workshop on Ant Colony Optimization and Swarm Intelligence	ANTS_A	B4	Qualis
SAE Powertrains, Fuels, and Lubricants Meeting		B	ERA
Name	Abbrv.	Rank	Source

<http://www.conferenceranks.com/?searchall=ANTS#data>



# QuAnts

# BLOCKANTS

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# BLOCKANTS

- Cunningham chains

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- Cunningham chains
- Verifiable Delay Functions

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- Cunningham chains
- Verifiable Delay Functions
- Legendre Pseudo Random Function



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- Verifiable Delay Functions
- Legendre Pseudo Random Function
- Protocols with commitment schemes

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- Pairing-based cryptography

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# BLOCKANTS a.k.a., colony

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# The quest for a new name?

Constraints:

- must contain “ant”
- must be an animal



## List of possible names

# List of possible names

- -eater




Algorithmic Number Theory  
thEATER

# List of possible names

- -eater
- -elope

Algorithmic Number Theory  
ELOPEment

# List of possible names

- -eater
- -elope
- -lion

Algorithmic Number Theory  
rebelLION

# List of possible names

- -eater
- -elope
- -lion
- cormor-

... Algorithmic Number Theory

# List of possible names

- 🐜-eater
- 🐜-elope
- 🐜-lion
- cormor-🐜
- eleph-🐜 (seal)

Lf-🐜 is the name of a French team



<https://lfant.math.u-bordeaux.fr/>

# List of possible names

- -eater
- -elope
- -lion
- cormor-
- eleph- (seal)
- m--a ray

Mathematics and Algorithmic  
Number Theory Association

# List of possible names


- -eater
- -elope
- -lion
- cormor-
- eleph- (seal)
- m--a ray
- m--is

Mathematics and Algorithmic  
Number Theory Institute  
Symposium



# List of possible names

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- -elope
- -lion
- cormor-
- eleph- (seal)
- m--a ray
- m--is
- p--her

Pleas- Algorithmic Number  
Theory to Help Engineers and  
Researchers

# List of possible names

- -eater
- -elope
- -lion
- cormor-
- eleph- (seal)
- m--a ray
- m--is
- p--her
- pheas-

... Algorithmic Number Theory

# List of possible names

- -eater
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- cormor-
- eleph- (seal)
- m--a ray
- m--is
- p--her
- pheas-
- tar--ula

... Algorithmic Number Theory

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