

# Every Seed is Sacred

Olivier Blazy   Orr Dunkelman   Saqib A. Kakvi  
Michael Naehrig   Peter Schwabe

The Ministry of Silly Talks

EC2020 Rump Session

Setup

# Introduction

# Introduction

My name is Not Important Esq. OBE TLS13-AES128-GCM-SHA256.  
I am the Minister of Silly Talks.

# Introduction

My name is Not Important Esq. OBE TLS13-AES128-GCM-SHA256.  
I am the Minister of Silly Talks.

We have had many hilarious, entertaining and well-prepared talks  
in this rump session.

And Now for Something Completely Different

# Bands on Zoom

# Bands on Zoom

- ▶ I am sure we have all seen bands playing on Zoom, e.g.
  - ▶ <https://youtu.be/DGwQZrDNL08>
  - ▶ <https://youtu.be/ah1b52DRzpA>
  - ▶ <https://youtu.be/wi8aMULUgVg>



# Bands on Zoom

- ▶ I am sure we have all seen bands playing on Zoom, e.g.
  - ▶ <https://youtu.be/DGwQZrDNL08>
  - ▶ <https://youtu.be/ah1b52DRzpA>
  - ▶ <https://youtu.be/wi8aMULUgVg>
- ▶ So we thought “We can do that!”.

# Bands on Zoom

- ▶ I am sure we have all seen bands playing on Zoom, e.g.
  - ▶ <https://youtu.be/DGwQZrDNL08>
  - ▶ <https://youtu.be/ah1b52DRzpA>
  - ▶ <https://youtu.be/wi8aMULUgVg>
- ▶ So we thought “We can do that!”.
- ▶ So we did.

# Acoustic Cryptanalysis of Zoom

## DSOX4104A, 4-Kanal Oszilloskop, Analog, 1GHz

RS Best.-Nr.: **195-3171**Herst. Teile-Nr.: **DSOX4104A**Marke: [Keysight Technologies](#) **1 lieferbar  
Fr.**

Preis pro: Stück

**16.603,-**  
(ohne MwSt.)**19.757,-**  
(inkl. MwSt.)

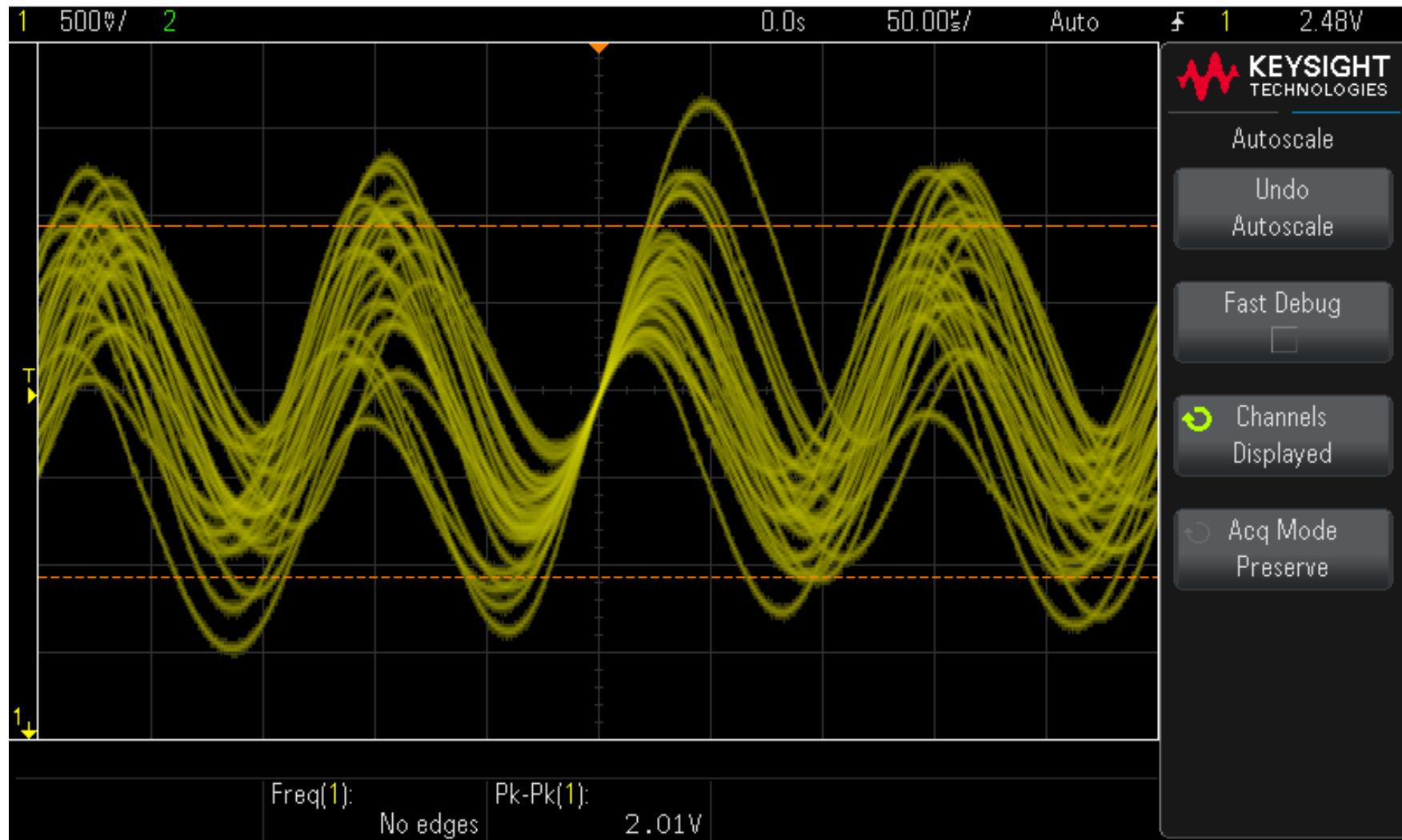
Stück

**1 +**

1

# Acoustic Cryptanalysis of Zoom

DSO-X 1102G, CN57096594: Thu Nov 29 22:04:21 2018



# Acoustic Cryptanalysis of Zoom



# Acoustic Cryptanalysis of Zoom

IT DOESN'T WORK!

IT'S ALL LIES!!!!

I CALL SHENANIGANS OF THE HIGHEST  
ORDER!!!!



# Every Seed is Sacred

Olivier Blazy, Orr Dunkelman, Saqib A. Kakvi  
Michael J. Heule, Peter Schwabe

The History of S...

2020 Rump Session

# Every Seed is Sacred

Olivier Blazy   Orr Dunkelman   Saqib A. Kakvi  
Michael Naehrig   Peter Schwabe   [YOU]

The Ministry of Silly Talks

C2020 Rump Session?