

# 2-group Belyi maps

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July 9, 2019

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# Outline

Motivation

Background

Computing permutation triples

Computing equations

Main idea

Characteristic  $p \geq 3$

Characteristic zero

A refined conjecture

Examples

# Motivation



# Belyi's theorem

asdf

# Gross's conjecture

asdf

# Beckmann's theorem

asdf

# Background



# Belyi maps

some stuff about Belyi maps in general



# Function fields

some stuff about function fields

## Computing permutation triples



## 2-groups

some stuff about 2-groups

## Computing equations



# Main idea

some stuff about how to compute equations

## Characteristic $p \geq 3$

some stuff about positive char

## Characteristic 0

some stuff about char 0

## **A refined conjecture**





# Conjecture

some stuff about the conjecture

## Examples



## Notation

$4T1-4,1,4-g0$

## Backup slides