

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... → Gauß → Bessel → Scherk → Kummer → Frobenius → Schur
→ Brauer → Fong → Olsson → Külshammer → me → Dauter?

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... → Gauß → Bessel → Scherk → Kummer → Frobenius → Schur
→ Brauer → Fong → Olsson → Külshammer → me → Dauter?

My preferences:

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☐ groups

☐ algebras

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☐ algebras

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☐ finite

☐ algebras

☐ infinite

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☐ algebras

☒ finite

☐ infinite

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☒ finite

☐ representations

☐ algebras

☐ infinite

☐ modules

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☐ algebras

☒ finite

☐ infinite

☐ representations

☐ modules

☒ characters

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☒ finite

☐ representations

☐ $\text{char} = 0$

☐ algebras

☐ infinite

☐ modules

☐ $\text{char} > 0$

☒ characters

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☒ finite

☐ representations

☒ $\text{char} = 0$

☐ algebras

☐ infinite

☐ modules

☒ $\text{char} > 0$

☒ characters

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☒ finite

☐ representations

☒ $\text{char} = 0$

splitting fields?

☐ algebras

☐ infinite

☐ modules

☒ $\text{char} > 0$

☒ characters

Benjamin Sambale

TU Kaiserslautern

Research Member (GRTA)

Academic genealogy:

... \rightarrow Gauß \rightarrow Bessel \rightarrow Scherk \rightarrow Kummer \rightarrow Frobenius \rightarrow Schur
 \rightarrow Brauer \rightarrow Fong \rightarrow Olsson \rightarrow Külshammer \rightarrow me \rightarrow Dauter?

My preferences:

☒ groups

☒ finite

☐ representations

☒ $\text{char} = 0$

splitting fields?

☐ algebras

☐ infinite

☐ modules

☒ $\text{char} > 0$

Yes, please!

☒ characters

My favorite problem

Let G be a finite group and p a prime.

My favorite problem

Let G be a finite group and p a prime.

Let $B \subseteq \text{Irr}(G)$ be a p -block and let

$$p^d := \frac{|G|_p}{\min\{\chi(1)_p : \chi \in B\}}.$$

My favorite problem

Let G be a finite group and p a prime.

Let $B \subseteq \text{Irr}(G)$ be a p -block and let

$$p^d := \frac{|G|_p}{\min\{\chi(1)_p : \chi \in B\}}.$$

Richard Brauer, 1946:


My favorite problem

Let G be a finite group and p a prime.

Let $B \subseteq \text{Irr}(G)$ be a p -block and let

$$p^d := \frac{|G|_p}{\min\{\chi(1)_p : \chi \in B\}}.$$

Richard Brauer, 1946:

 brauerp.png

My favorite problem

Let G be a finite group and p a prime.

Let $B \subseteq \text{Irr}(G)$ be a p -block and let

$$p^d := \frac{|G|_p}{\min\{\chi(1)_p : \chi \in B\}}.$$

Richard Brauer, 1946:

