

**XXXI Ohio State-Denison Conference**  
 GROUP THEORY SESSION  
*Schedule*

**Afternoon, Friday May 25**

Caldwell Lab, Room 277

*Chaired by Ben Brewster and Mike Ward*

12:30–12:40	<b>Welcome</b>	
12:40–1:00	Ronald Mark Solomon	A new “ZJ”-Theorem
1:10–1:30	Andrew Woldar	All simple groups are characterized by their non-commuting graphs
1:40–2:00	Luise-Charlotte Kappe	On generalized 2-Baer groups
2:10–2:30	Mara D Neusel	On a family of groups described by Nakajima and a counterexample by Stong
2:40–3:00	Eric Allen Swartz	Locally $s$ -arc transitive graphs arising from the product action
3:00–3:30	<b>Break</b>	
3:30–3:50	You Hong	Localization, subnormal structure of classical groups
4:00–4:20	Elizabeth Wilcox	Computing the Chermak-Delgado lattice of wreath products
4:30–4:50	William Joseph DeMeo	Interval enforceable properties of finite groups
5:00–5:20	Joseph Phillip Brennan	Classifying Conlon groups
6:00–9:00	<b>Cocktails and dinner at the Faculty Club</b>	

### Early Morning, Saturday May 26

Cockins Hall 240

*Chaired by Ron Solomon*

8:30–8:50	Alexandre Turull	Endoisomorphisms and correspondences of characters
9:00–9:20	Mark L. Lewis	Counting characters in blocks of solvable groups with abelian defect group
9:30–9:50	Jeffrey Mark Riedl	Multiplicities of faithful irreducible character degrees of subgroups of wreath product $p$ -groups
10:00–10:20	Peter Plaumann	Projective limits of finite permutations groups
10:20–10:50	<b>Break</b>	

### Late Morning, Saturday May 26

#### Parallel Sessions

	Session 1 Cockins Hall 240 <i>Chaired by Alexandre Turull</i>		Session 2 Cockins Hall 218 <i>Chaired by Arnold Feldman</i>	
10:50–11:10	Yong Yang	Blocks of small defect	Jan Minac	Whales and minnows and Galois groups
11:20–11:40	Lee Stephen Raney	Basic algebras of blocks of finite groups	Daniela Nikolova Popova	On the covering number of small symmetric groups
11:50–12:10	Mike Hampton	A note on the representation theory of MV-algebras	Charles S. Holmes	Jacobi sum matrices
12:10–2:15	<b>Photograph and Lunch</b>			

**Early Afternoon, Saturday May 26**

Cockins Hall 240

*Chaired by Arturo Magidin*

2:20–2:40	Roger Alperin	Integral sets in finite groups
2:50–3:10	Martha Lee Hollist Kilpack	The algebraic lattice of algebraic closure operators
3:20–3:40	Anni Neumann	Nilpotent subgroups of class $\leq 2$ of maximal order
3:50–4:10	Michael Ward	Cayley-Sudoku tables, loops, quasigroups, and more questions from undergraduate research
4:10–4:30	<b>Break</b>	

**Late Afternoon, Saturday May 26**

**Parallel Sessions**

	Session 1 Cockins Hall 240 <i>Chaired by Daniela Nikolova</i>		Session 2 Cockins Hall 218 <i>Chaired by Andrew Woldar</i>	
4:30–4:50	Eirini Poimenidou	Cellular automata over nonabelian group alphabets	Fernando Guzman	A duality for the algebra of conditional logic
5:00–5:20	Kenneth W Johnson	Group matrices and their applications	Lakhdar Hammoudi	A construction of non-residually finite groups of intermediate growth
5:30–5:50	Baojun Li	On $\Pi$ -property and $\Pi$ -normality of subgroups of finite groups	Delaram Kahrobaei	Secret sharing scheme using group presentations and word problems
6:00–9:00	<b>Buffet dinner and reception</b> 7th Floor Math Lounge Presentation of the Zassenhaus Portrait photo			

**Morning, Sunday May 27**

Cockins Hall 240

*Chaired by Fernando Guzman and Luise-Charlotte Kappe*

8:30–8:50	David Peter Biddle	Automorphism groups of homogeneous groups
9:00–9:20	Tuval Foguel	Loops that are partitioned by groups
9:30–9:50	Michael C Slattery	Moufang loops of order 234
10:00–10:20	James Cossey	Diameters of Brauer graphs in solvable groups
10:20–10:40	<b>Break</b>	
10:40–11:00	Arturo Magidin	Nonabelian tensor squares of nilpotent products of cyclic groups
11:10–11:30	Arnold D Feldman	Generalizing $t$ -groups
11:40–12:00	Maurizio Meriano	On bigenetic properties in groups
12:10–12:30	Ben Brewster	Subgroups satisfying the Frattini Argument
12:30–12:40	<b>Closing Remarks</b>	