

!"#\$%&'\$()\*'

Mathematics Department, Bryn Mawr College

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**Education**

- "#\$%!"&'(!)\*+'',-!\$. /!%' +,-!01232!4(!56&1. 76&89-! : ; ; <2!  
=>?49'+@! 0+'A.99'+!3B96!583BAA!
- \*.C'4&!D'CC.E.-!F498'(94(-!\*2"2!4(!56&1. 76&89-!"B776!DB7!G6B>.-! : ; ; H!2!

**Professional Appointments**

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!"#\$%&'()\*+,%  
!"#\$%&'()\*&  
\*+,#,&'&

**Research Funding Awards**

= 7 . +486 (!S (9&&B& . ! ' A! 5 6&1 . 7 6&489! " ^ B6R [ ! \_ " & + B8&B+ . > ! ^ B6+& . &! R . 9 . 6+81! [ (9 . 7 Vc . ` - !  
aG6E+6 (E46 (!D ' V '+>49 7 9!6 (>! \$ ' + 7 9! ' (!&1 . !D ' (&68& ' 7 ' +N149 7 !Z+' BNb-!<K: ; QN+ . 9 . (&2!

5 . CC ' (!U+4QD ' CC . E . !J . CC ' / -!a0=DU! " . 7 4 (6+b-!<K: \ Q<K: Y-!<K: YQ<K: L-!<K: LQ<K: I-!<K: IQ  
<K<<2!

= 7 . +486 (!S (9&&B& . ! ' A! 5 6&1 . 7 6&489! " ^ B6R [ -!a=BE 7 . (&6&4 ' (9-!RBC4 (E9-!6 (>! Z . ( . +6&4 (E!  
J6 7 4C4 . 9b-!<KK; !Q <K: P2!

\$6&4 ' (6C! " 84 . (8 . !J ' B (>6&4 ' (!R . 9 . 6+81!Z+6 (&-!34?494 ' (! ' A! 5 6&1 . 7 6&486C! " 84 . (8 . 9-!  
Z . ' 7 . &+48! = (6C) 949! \_W ' 4 (&! / 4&1!W ' 91B6! " 6VC ' AA-!T6? . +A ' +>!D ' CC . E . ` -!<KK; Q<K: P2!

5 . CC ' (!U+4QD ' CC . E . !J . CC ' / -!aJ68BC&) Q " &B> . (&! " . 7 4 (6+!4 (!U ' N ' C ' E)b-!<KKYQKL2!

5 . CC ' (!U+4QD ' CC . E . !J . CC ' / -!aJ68BC&!) " . 7 4 (6+!4 (!D ' (&68&!U ' N ' C ' E)b-!<KK\QKY2!

\$6&4 ' (6C! " 84 . (8 . !J ' B (>6&4 ' (!R . 9 . 6+81!Z+6 (&-!34?494 ' (! ' A! 5 6&1 . 7 6&486C! " 84 . (8 . 9-!  
Z . ' 7 . &+48! = (6C) 949-! : ; ; ; Q<KKP2!

\$6&4 ' (6C! " 84 . (8 . !J ' B (>6&4 ' (!5 6&1 . 7 6&486C! " 84 . (8 . 9!0 ' 9&> ' 8& ' +6C!R . 9 . 6+81!J . CC ' / 914N-!  
: ; ; PQ: ; ; ; I2!

J . CC ' / 914N!&1+ ' BE1! 5 4 (49&c+ . !> . 9! = AA64+ . 9! [ &+6 (Ec+ . 9-!J+6 (8 . -!& ' !6&& . (>! " ) 7 NC . 8&48!  
U ' N ' C ' E)!O+ ' E+67!6&!S (9&&B&!T . (+!O ' 4 (86+)-! " N+4 (E! : ; ; \2!

JB (> . >!06+&484N6 (&!A ' +!&1 . ! " ] 7 4 (6+ . !> . !5 6&1 . 7 6&4dB . 9! " BN . + . B+ . 9! \$ = Ue! => ?6 (8 . >!







!"#\$%&'()\*%  
!"#\$%&'()\*&  
\*+,&.&

## Invited Research Talks

0=UDT-!56+81!<K<P!  
#D!36?49-!U'N'C'E)!". 74(6+!e8&'V. +!<K<<2!  
SD[R5-!\*+64>9!4(!G' / Q347 . (94' (6C!U'N'C'E)-!N+4C!<K<<2!  
W55! = F5!"N.846C!" .994' (-!F'7 . (16(>!Z. (>. +!54(' +4&4. 9!4(!") 7NC. 8&48!6(>!D' (&68&!  
Z. '7.&+)!6(>!U'N'C'E)-!" .6&&C. iX4+&B6C-!N+4C!<K<<2!  
W55! = F5!"N.846C!" .994' (-!F'7 . (14(!Z. '7.&+)-!" .6&&C. iX4+&B6C-!N+4C!<K<<2!  
0#iS= "!" ) 7NC. 8&48!" . 74(6+!0+4(8.&' (-!\$'? . 7V. +!<K<:2!  
D'CC'dB4B7-!#(4?. +94>6>!> .!D'0476-!5 . f48' -!e8&'V. +!<K<:2!  
ST0! =>?6(8.9!4(!") 7NC. 8&48!U'N'C'E)!F'+, 91'N-!06+49-!N+4C!<K<:2!  
=5 "!"N.846C!" .994' (-!"N+4(E!D. (&6C!" .8&4' (!5 . .&4(E-!N+4C!<K<:2!  
#(4?. +94&)! 'A! =06V676!D'CC'dB4B7-!56+81!<K<:2!  
S= "iO+4(8.&' (!#(4?. +94&)!") 7NC. 8&48!k' '74(6+!N+4C!<K<K2!  
36+&7' B&1!#(4?. +94&)-!D'CC'dB4B7!6(>!U'N'C'E)!". 74(6+!56+81!<K<K2!  
D= "U!<K<K@!: \!" F'+, 91'N!' (!") 7NC. 8&48!Z. '7.&+)-!D' (&68&!Z. '7.&+)-!6(>!S(&. +68&4' (9-!  
#(4?. +94&)! 'A! = (&/ . +N. (-!\* .0E4B7-!J.V+B6+)!<K<K2!  
U+46(EC. !U'N'C'E)!". 74(6+!3B, .!#(4?. +94&)-!56+81!<K: ;2!  
RB&E. +9!Z. '7.&+48! = (6C)949!" . 74(6+!" .N&. 7V. +!<K: ;2!  
%6916A. 9&-! =94C' 76+!D=-! =BEB9&!<K: H2!  
U'N'C'E)!&B>. (&9!F'+, 91'N-!Z. ' +E46!U. 81-!WB( .!<K: H2!  
J4.C>9!S(9&4&B&. !F'+, 91'N!' (!S77 . +9. >!G6E+6(E46(!D'V'+>4979-!e&&6 / 6-!N+4C!<K: H2!  
D'+( .CC!M!0 "#!W'4(&!" ) 7NC. 8&48!" . 74(6+!D'+( .CC-!56+81!<K: H2!  
") 7NC. 8&48!Z. '7.&+)4(!G)' (-!J+6(8. -!\$'? . 7V. +!<K: !!  
D'9N4(!5 . .&4(E!4(!G)' (-!J+6(8. -!e8&'V. +!<K: !2!  
G' /!347 . (94' (6C!" ) 7NC. 8&48!6(>!D' (&68&!U'N'C'E)-!56&1A. 9&-!D1486E' -!WBC)!<K: !2!  
^B6(&4&6&4? .!") 7NC. 8&48!Z. '7.&+)-!"47' (9!D. (&. +!"&' (!)\*+' , -!\$%-!56)!<K: !2!  
U.81!U'N'C'E)!D' (A. +. (8. -!Z. ' +E46!U. 81-!3 . 8. 7V. +!<K: L2!  
T674C&' (!F'+, 91'N!' (!G' / Q347 . (94' (6C!6(>!" ) 7NC. 8&48!U'N'C'E)-!3BV04 (-!S+ . 06(>-! =BEB9&!<K: L2!  
#( , ( ' &9!SSS-!3 . (49' (!D'CC.E. -!WBC)!<K: L2!  
Z. ' +E46!U'N'C'E)!D' (A. +. (8. -!56)!<K: L2!  
=\$R!F'+, 91'N!' (!") 7NC. 8&48!U'N'C'E)-!# ^n5-!5' (&+. 6C-!D6(6>6-!WB( .!<K: L2!



!"#\$%&'()\*%  
!"#\$%&'()\*&  
\*+#,&0&

= 5 "!"N.846C!" .994' (! (!") 7NC.8&48!6(>!D' (&68&!Z. ' 7 .&+)-!\$. /!%' +, -!=N+4C!<KKP2!

" /6+&17 '+. !D'CC' dB4B7-!\$'? . 7V. +!<KK<2!

#DQ\* .+, .C.)!56&1. 76&489!D'CC' dB4B7-!" .N&. 7V. +!<KKK2!

R48. !# (4?. +9&!)!56&1. 76&489!D'CC' dB4B7!6(>!Z. ' 7 .&+)!" . 74(6+!" .N&. 7V. +!<KKK2!

#DQ" 6(&6!D+Bg!56&1. 76&489!D'CC' dB4B7-!" .N&. 7V. +!<KKK2!

"&6(A'+>!# (4?. +9&!)!56&1. 76&489!D'CC' dB4B7-!\$'? . 7V. +!<KKK2!

D6(6>46(!56&1. 76&486C!" '84.&!)W'4(&!5. .&4(E-!" )7NC.8&48!Z. ' 7 .&+)!" .994' (-!58569&. +!  
# (4?. +9&)-!WB( .!<KKK2!

D'+( .CC!56&1. 76&489!D'CC' dB4B7-!56+81!<KKK2!

G. 14E1!# (4?. +9&!)!56&1. 76&489!D'CC' dB4B7-!" .N&. 7V. +! : ; ; ; 2!

= 5 "!"N.846C!" .994' (! (!S(&. E+6VC. !")9&. 79-! \*BAA6C' -!=N+4C! : ; ; ; 2!

= 5 "!"9N.846C!9.994' (! (!") 7NC.8&48!Z. ' 7 .&+)!6(>!U'N'C'E)-! #+V6(6-!56+81! : ; ; ; 2!

U. f69!Z. ' 7 .&+)!6(>!U'N'C'E)!D' (A.+ . (8.-!J.V+B6+)! : ; ; ; 2!

RB&E. +9!# (4?. +9&!)!Z. ' 7 .&+)!6(>!U'N'C'E)!" . 74(6+!\$W-!" .N&. 7V. +! : ; ; ; H2!

# (4?. +9&!)! 'A!0. ( (9)C?6(46!Z. ' 7 .&+)!" . 74(6+! =N+4C! : ; ; ; H2!

# (4?. +9&!)! 'A! =+, 6(969!56&1. 76&489!D'CC' dB4B7!6(>!Z. ' 7 .&+)!" . 74(6+!J6) .&&. ?4CC. -!56+81!  
: ; ; ; H2!

= 7 .+486(!56&1. 76&486C!" '84.&!) "N.846C!" .994' (! (!") 7NC.8&48!U'N'C'E)!6(>!^B6(&B7!

D'1'7'C'E)-!54C/6B, . .-!F498' (94(-!e8'V. +! : ; ; ; 12!

= 7 .+486(!56&1. 76&486C!" '84.&!) "N.846C!" .994' (! (!") 7NC.8&48!Z. ' 7 .&+)!6(>!5.816(489-

F.9&.(134?494' (!5. .&4(E-!D'+?60049" . "N?6C(E-(.2-1(')-2-2(6)=)]TJ-0.3(C)-3(2("N)(6)859)-1(C)-2(N)(6











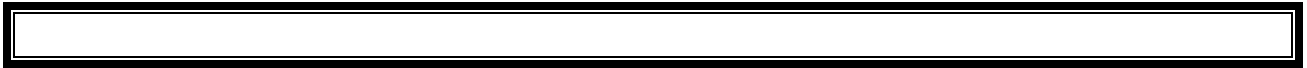
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! 6Tf -0.0

!"#\$%&'\$()\*%  
!"#\$%&'()\*&  
\*+#, &3)&

! J68B0&)!5 . (&' +!S="!F ' 7 .





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!"#\$%&'()\*+,%  
\*+,#,&3/&

**Bryn Mawr College Service**

\* STEMLA Mentor, 2023-2025.

\* D'QOS!A'+!\$ "J!"Q"U[ 5!Z+6 (&@!\*B4C>4(E!"U[ 5!S>. (&4&!)6(>!O.+949&. (8.!U1+'BE1!  
"U[ 5!06&1/6)!5. (&'+914N-!<K<<Q<K<Y2!

x! R.B(4' (!F . . . (>!J68BC&!)R.9.6+81!U6C,-!<K<<2!

x! 34+.8&'!A'+!Z+6>B6&.!Z+'BN!4(!"84. (8.!6(>!56&1.76&489!\_ZZ"5`-!<K:;!M!<K<<2!

x! \*+)(!56/+!R.N+.9. (&6&4?!.!&'!5.CC' (!U+4QD'!D'774&&. .-!<K:H!M!<K<<-!D164+!<K<KQ<K<<2!

x! \*'6+>! 'A!&1.!=86>.748!T' ('+'")9&.7-!<K<KQ<K<P2!

\* 3.N6+&7. (&!D164+!<KKL!M!<KK;-!<K: I!M!<K<:2!

x! =99'846&.!Z+6(>!56+916C-!<K: ;Q<K<K2!

x! eB&9+>.!5.7V.+'(ID'7NB&.!+"84. (8.! ".6+81!A'+!<IUU!6(>!:!D\$UU!N'94&4' (9@!  
<K:HQ: ; -!<K: ;Q<K2!

x! 06+;!56&1!+=&!349N06)!D' '+>4(6&' +!<K: ;!M!N+.9. (&2!

x! 5. (&'!A'+!\$. /!J68BC&!)\_=(>+. /!Z6+E4B0'-!09)81'C'E)`-!<K<K2!

x! e+e6(4g.+!'A!O+'A.994' (6C!3.? .C'N7. (&! =8&4?4&4.9!A'+!Z+6>B6&.! "&B>. (&9!4(!  
56&1.76&489-!01)9489!6(>!D1.749&+)-!<K: :!M!<K<<2!

x! J68BC&!)!>?49'+!&'!S(8'74(E!J+.917. (-!<KKLQ<K:K-!<K:Y-!<K: I Q<K<K2!  
J+.917. (!04C' &!>?494(E-!<K: :!M!<K: <-!<K: \Q <K:Y2!

x! D'774&&. .!' (!=NN'4(&7. (&9-!9BV9&4&B&.!7.7V.+!J600!<K:H2!

x! 34+.8&'!A!Z+6>B6&.!R.8+B4&7. (&!4(!56&1.76&489-!<K: <!M!<K:H2!

x! 06(.C49&!>B+4(E!\$. /!J68BC&!)e+4. (&6&4' (-! =BEB9&!<K:H2!

x! T'9&'!A!S(&.+ (6&4' (6C!"&B>. (&9-!<K: :!M!<K:P-!<K:H2!

x! 56&1.76&489!3.N6+&7. (&! ".6+81!D'774&&. .9-!<K: I!\_D164+`-!<K: \-!<K:K2!

x! J68BC&!)R.N+.9. (&6&4?!.!&'!\*'6+>! 'A!U+B9&. .9-!9BV9&4&B&.!A'+!"N+4(E!<K: I2!

x! Z+6>B6&.!D'B(84C!<K:YQ



!"#\$%&'()\*+,%  
!"#\$%&'()\*+,%  
\*+,#,&30&

x! eB&94>.!7 . 7V.+!&'!01)9489!eNN'+&B(4&)!".6+81-!J600!<K:Y2!

0 D' 7 7 4&&..!' (!=NN' 4(&7 . (&9!\_D=`-!<K: :!M!<K:Y0!D164+!<K: \!M!kK:Y2!

!

!"#\$%&'()\*+,%  
!"#\$%&'()\*+,%  
\*+,#,&31&

x! 56&1 . 76&486!D6+ . .+!U60,9!e+E6(4g.+! : ; ; IQ<KKY2!

x! 56&1 . 76&489!D '00' dB4B7!D164+! : ; ; YQ : ; ; L-! : ; ; ; Q<KK:2!