

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

Mathematics Department, Bryn Mawr College

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 I 2!

Professional Appointments

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

Research Funding Awards

= 7 . +486 (!S (9&4&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&4&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 (& - !3 4 ? 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 (& - !3 4 ? 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 : ; ; ! 2!

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&4&B&!T . (+!O ' 4 (86 +] - ! " N + (E! : ; ; \ 2!

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



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*+,&.&

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!
W5 5! = F 5!"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!
W5 5! = F 5!"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+6(EC. !U'N'C'E)!". 74(6+!3B, .!#(4?. +94&)-!56+81!<K: ; 2!
RB&E. +9!Z. ' 7 .&+8!=(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!

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!"#\$%&'()*&
*+#,&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&.(!34?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



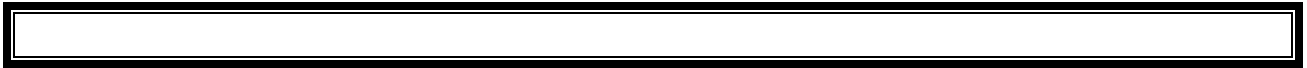




! 6Tf -0.0

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*+#, &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!