

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

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

4/+(0"

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

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'C476-!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!=C6V676!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="UI<K<K@!: \!" F'+,91'N!' (!")7NC.8&48!Z.'7.&+)-!D' (&68&!Z.'7.&+)-!6(>!S(&.+68&4' (9-!

#(4?.+94&)! 'A!=(/ .+N. (-!* .C4B7-!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.&+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.-!e8&'V. +!<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)-!3BV4(-!S+ .C6(>-!>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&.(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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*+,#,&2&

Ph.D. Dissertation Advising







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

! 06(.C49&!A' +!aZ4+!9!6(>!F ' 7 . (!4(!"84. (8.b!D' (A.+ . (8.-!* .C'4&!D'CC.E.-!* .C'4&-!F S-!=N+4C! : ; ; I2!
! D' (&+4VB&' +! 'A!6+&48C. !<@#='/";)5,7,,5:/0'9#%#)\$8@')+&'(,7#\$).'?\$5%='/.#*#&'!&1 .!= F 5!
_ =99'846&4' (!A' +!F ' 7 . (!4(!56&1. 76&489!(. /9C.&&.+!\$'? .7V.+Q3.8.7V.+! : ; ; L2!
! 5 . (&' +!A' +!F ' 7 . (!4(!=CE. V+648!Z. ' 7 .&+)!F '+,91'N-!* .+. .C.)-!56)! : ; ; P2!

Professional Memberships

+ = 7 . +486(!56&1. 76&486C!" ' 84. &!)
w!=99'846&4' (!A' +!F ' 7 . (!4(!56&1. 76&489!
w!56&1. 76&486C!=99'846&4' (!'A!= 7 . +486!

Bryn Mawr College Teaching

5=UT!* :K: @!D6C8B0B9i=(6C)&486C!Z. ' 7 .&+)!S!
5=UT!* :K<@!D6C8B0B9i=(6C)&486C!Z. ' 7 .&+)!SS!
5=UT!* <K: @!5 B0&4?6+46VC. !D6C8B0B9!
5=UT!* <KP@!G4(. 6+!=CE. V+6!
5=UT!* <KL@!U+6(94&4' (!&' !T4E1. +!56&1. 76&489!
5=UT!* <<: @!S(&+ '>B8&4' (!&' !Z. ' 7 .&+)!6(>!U'N'C'E)!h('&!U1. '+)!
5=UT!* PK: @!R. 6C!=(6C)949!S!
5=UT!* PK<@!R. 6C!=(6C)949!SS!
5=UT!* PKP@!=V9&+68&!=CE. V+6!S!
5=UT!* PK\@!=V9&+68&!=CE. V+6!SS!
5=UT!* P:<@!U'N'C'E)!
5=UT!* P:Y@!R4. 76((46(!Z. ' 7 .&+)!
5=UT!* P<<i*Y<@!# (> . +E+6>B6& . iZ+6>B6& . !D' 7NC. f!=(6C)949!
5=UT!* P;H!6(>!56&1!*P; ; @!" . (4'+!D' (A.+ . (8. !
5=UT!* Y<Y@!Z+6>B6& . !=CE. V+648!U'N'C'E)!
5=UT!* YPK@!Z+6>B6& . !34AA. +. (&46C!U'N'C'E)!

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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:IQ<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

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