UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Chair of Search Committee
Department of Mathematics
University of California
One Shields Avenue
Davis, CA 95616-8633

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Arthur J. Krener Postdoctoral Position beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Academic Hiring Committee
Department of Mathematics; MS 050
Brandeis University
Waltham, MA 02454-9110

To the Academic Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a postdoctoral position in mathematics beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be very excited to work with the topology and geometry group at Brandeis, including Danny Ruberman, Kiyoshi Igusa, and Ruth Charney.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Postdoctoral Admissions
c/o Roseann Kinsey
Department of Mathematics
University of British Columbia
Vancouver, BC V6T 1Z2
CANADA

To the Postdoctoral Admissions Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for either the Postdoctoral Fellowship or the UBC-PIMS Distinguished Postdoctoral Fellowship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at UBC, including Dale Rolfsen, Alejandro Ádem, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Sincerely,

Jaclyn Lang

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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Junior Search Committee
Department of Mathematics
Brown University
Box 1917
Providence, RI 02912

To the Junior Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Tamarkin Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Sincerely,

Jaclyn Lang

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jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Appointments Secretary
Department of Mathematics
University of Chicago
5734 S. University Avenue
Chicago, IL 60637

To the Appointments Secretary:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the L.E. Dickson Instructorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Chicago, including Leonid Polterovich and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

I have applied for an NSF Mathematical Sciences Postdoctoral Fellowship. If awarded the fellowship, I will work with Professor Paul Seidel at MIT.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

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jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Appointments Committee
Department of Mathematics
Box 90320
Duke University
Durham, NC 27708-0320

To the Appointments Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Assistant Research Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Duke, including Lenhard Ng, whose work on Heegaard Floer homology is related to my field of research.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

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jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Appointments Committee
Department of Mathematics
Johns Hopkins University
Krieger Hall 404
3400 North Charles St.
Baltimore, MD 21218-2686

To the Appointments Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the J. J. Sylvester Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Johns Hopkins, including J. Michael Boardman, Jean-Pierre Meyer, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Peter J. Olver
School of Mathematics
University of Minnesota
127 Vincent Hall
206 Church Street SE
Minneapolis, MN 55455

Dear Professor Olver:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Dunham Jackson Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Minnesota, including Anar Akhmedov and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Mathematics Search Committee
Department of Mathematics
Massachusetts Institute of Technology
Room 2-263
77 Massachusetts Ave.
Cambridge, MA 02139-4307

To the Mathematics Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the C. L .E. Moore Instructorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

At MIT, I would work closely with Paul Seidel, who is my sponsoring scientist for the NSF Mathematical Sciences Postdoctoral Fellowship application. I would also be excited to work with the other topologists and symplectic geometers in the department, including Tomasz Mrowka and Katrin Wehrheim.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
2033 Sheridan Road
Northwestern University
Evanston, IL 60208-2730

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Ralph Boas Assistant Professorship or a Visiting Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be interested to work with the topologists and symplectic geometers at Northwestern, including Ezra Getzler, David Nadler, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research statement. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Department of Mathematics
302 Fine Hall
Washington Road
Princeton, NJ 08544-1000

To the Junior Faculty Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a postdoctoral or junior faculty position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

At Princeton, I would be very excited to work with Zoltán Szabó, David Gabai, and the other topologists in the department. I would also continue to work closely with Peter Ozsváth, who is one of my doctoral advisers, and with Sucharit Sarkar, whose insights were valuable to my research during his postdoctoral work at Columbia.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Search Committee
Department of Mathematics
Rutgers University
110 Frelinghuysen Road
Piscataway, NJ 08854-8019

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Assistant Professorship and the Hill Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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November 3, 2015

Search Committee
Department of Mathematics
College of Letters Arts and Sciences
University of Southern California
3620 Vermont Avenue, KAP 108
Los Angeles, CA 90089

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a non-tenure-track Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at USC, including Ko Honda, Francis Bonahon, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Search Committee
Department of Mathematics
Trinity College
300 Summit Street
Hartford, CT 06106

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Harold L. Dorwart Visiting Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

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Sincerely,

Jaclyn Lang

UCLA Mathematics Department
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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Postdoctoral Search Committee
Department of Mathematics
University of Illinois, Urbana-Champaign
1409 West Green Street
Urbana, IL 61801-2975

To the Postdoctoral Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the J. L. Doob Research Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am interested in working with the numerous low-dimensional topologists at UIUC, including Nathan Dunfield and Christopher Leininger, among others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Benjamin Peirce Fellowship Hiring Committee
Department of Mathematics
Harvard University
One Oxford Street
Cambridge, MA 02138

To the Benjamin Peirce Fellowship Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Benjamin Peirce Fellowship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I was an undergraduate mathematics major at Harvard, graduating in 2008. I would be very excited to work with the numerous topologists and gauge theorists at Harvard, including Peter Kronheimer, Cliff Taubes, Curt McMullen, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

On a personal note, during my undergraduate years at Harvard, I received extensive education and inspiration from the holders of the Benjamin Peirce Fellowships, who taught a majority of my courses and served as my first mathematical role models. They were uniformly excellent and dedicated teachers, eager to make time outside of class for their students and to advise additional projects, such as the thesis I wrote under the supervision of then-BP Veronique Godin. I would be extremely pleased to be able to render the same level of service to the department's current mathematics majors.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information. Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

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Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Academic Search Committee
Department of Mathematics
University of California
Los Angeles, CA 90095-1555

To the Academic Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for an Assistant Adjunct Professorship, a Research Postdoctoral Position, or an E. R. Hedrick Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would look forward to working with the topologists at UCLA, especially Ciprian Manolescu, whose work in Heegaard Floer homology is closely related to my field of research.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Zorn Postdoctoral Fellowships Search Committee
Department of Mathematics
Indiana University
831 East 3rd Street, Rawles Hall
Bloomington, IN 47405-7106

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Zorn Research Postdoctoral Fellowship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

Indiana is known for being one of the major centers of low-dimensional topology research, especially in the area of knot theory. My research into the interactions of Heegaard Floer homology and doubly-periodic knots draws on work of Allan Edmonds and Charles Livingston, and has benefited from past conversations with Professors Livingston and Edmonds, as well as with Paul Kirk. I would also be especially excited to continue to work with Dylan Thurston, who I know from his time at Columbia, and whose work in Heegaard Floer homology is closely related to my field of research. Additionally, I would be pleased to work with Kent Orr, Vladimir Touraev, and Jim Davis, among others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's

letter addresses my teaching experience.

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Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
University of Michigan
2074 East Hall
530 Church St.
Ann Arbor, MI 48109-1043

To the Postdoctoral Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Assistant Professorship and the T. H. Hildebrandt Research Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Michigan, including Dick Canary, Peter Scott, Yongbin Ruan, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Sincerely,

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jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Chair, Griffith Conrad Evans Committee
Department of Mathematics
Rice University
PO Box 1892
Houston, TX 77251-1892

To the Griffith Conrad Evans Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Griffith Conrad Evans Instructorship and the RTG Lovett Instructorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the outstanding low dimensional topology group at Rice, especially Tim Cochran and Shelly Harvey.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Szegö Search Committee
Department of Mathematics
Stanford University
Stanford, CA 94305

To the Szegö Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Szegö Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am interested in working with the many low-dimensional topologists and symplectic geometers at Stanford, including Yakov Eliashberg, Eleny Ionel, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Wiener 2013 Search Committee
Department of Mathematics
Tufts University
Medford, MA 02155

To the Wiener 2013 Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Norbert Wiener Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Visiting Membership Committee
Courant Institute
New York University
251 Mercer St.
New York, NY 10012

To the Visiting Membership Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Courant Institute Instructorship or a similar post-doctoral position beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am interested in working with the many topologists and symplectic geometers at NYU, including Sylvain Cappell, Mikhael Gromov, Jeff Cheeger, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Appointments Committee
Department of Mathematics, Statistics and Computer Science, 322 SEO
University of Illinois at Chicago
851 S. Morgan Street (M/C 249), Box R
Chicago, IL 60607-7045

To the Appointments Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Research Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at UIC, including Louis Kauffman, Peter Shalen, Marc Culler, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Postdoctoral Faculty Search Committee
Department of Mathematics
University of Texas at Austin
1 University Station C1200
Austin, TX 78712-0257

To the Postdoctoral Faculty Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for an Instructorship, R. H. Bing Faculty Fellowship, or Simons Postdoctoral Fellowship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be very excited to work with the numerous low-dimensional topologists at UT, including Cameron Gordon, Robert Gompf, John Luecke, Alan Reid, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Postdoctoral Faculty Search Committee
Department of Mathematics
Carney Hall Room 301
Boston College
Chestnut Hill, MA 02467-3806

To the Postdoctoral Faculty Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Visiting Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

At B.C., I would work closely with Eli Grigsby, whose work on Heegaard Floer homology is closely related to my research, and with the other topologists in the department, including Robert Meyerhoff, Martin Bridgeman, Tao Li, and others. I greatly enjoyed my visit to the department in November, and I would be excited to return.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research statement. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Instructorship Search Committee
Mathematics 253-37
California Institute of Technology
Pasadena, CA 91125

To the Instructorship Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Taussky-Todd Instructorship, the Bateman Research Instructorship, and the Senior Research Fellowship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

At Caltech, I would be excited to work with Yi Ni and Jiajun Wang, whose work on Heegaard Floer homology is closely related to my research, and with the other topologists in the department, such as Danny Calegari.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

The Appointments Committee
Department of Mathematics
State University of New York
Stony Brook, NY 11794-3651

To the Appointments Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Research Assistant Professorship at the Simons Center beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am interested in working with the numerous topologists and symplectic geometers at Stony Brook, including Dennis Sullivan, John Morgan, Oleg Viro, Olga Plamenevskaya, and others. Moreover, I would value the opportunity to consult with the many specialists in my field that regularly visit the Simons Center.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

David L. Wright, Chair
Department of Mathematics
Washington University
1 Brookings Drive, Campus Box 1146
St. Louis, MO 63130

Dear Professor Wright:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Chauvenet Postdoctoral Fellowship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Washington University, including Rachel Roberts, Lawrence Conlon, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Gibbs Committee
Department of Mathematics
Yale University
PO BOX 208283
New Haven, CT 06520-8283

To the Gibbs Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Gibbs Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Yale, including Andrew Casson and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
University of Wisconsin-Madison
Department of Mathematics, Van Vleck Hall
480 Lincoln Dr.
Madison, WI 53705-1388

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Van Vleck Visiting Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Dr. Hans U. Boden, Chair
c/o Britton Postdoctoral Fellowship Applications
Mathematics and Statistics
McMaster University
Hamilton, ON L8S 4K1
CANADA

Dear Professor Boden:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Britton Postdoctoral Fellowship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Personnel Committee
Department of Mathematics
University of Pennsylvania
209 South 33rd Street
Philadelphia, PA 19104-6395

To the Personnel Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Lectureship or other postdoctoral position beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Penn, including Herman Gluck, Julius Shaneson, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Department of Mathematics
Dartmouth College
6188 Bradley Hall
Hanover, NH 03755-3551

To the Selection Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the tenure-track position in topology or a postdoctoral position, should one become available, beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Department of Mathematics
951 Evans Hall
University of California
Berkeley, CA 94720-3840

To the Selection Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Charles B. Morrey Jr. Assistant Professorship or the RTG Visiting Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

At Berkeley, I would be excited to work with the outstanding faculty in low-dimensional topology and symplectic geometry, including Peter Teichner, Robion Kirby, Denis Auroux, Michael Hutchings, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Professor Dan Anderson, Chair
Department of Mathematics
The University of Iowa
Iowa City, IA 52242

Dear Professor Anderson:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Visiting Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

At Iowa, I would be excited to the numerous faculty in knot theory and low-dimensional topology at Iowa, including Keiko Kawamuro and Isabel Darcy, among others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Academic Hiring Committee
Department of Mathematics, MSTB 103
University of California, Irvine
Irvine, CA 92697-3875

To the Academic Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Visiting Assistant Professorship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at U.C. Irvine, including Ron Stern and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae (including a list of publications), my research and teaching statements, a copy of my paper "A rank inequality for the knot Floer homology of double branched covers," which has been accepted for publication in *Algebraic & Geometric Topology* and is in production, and a copy of my preprint "A note on the link Floer homology of doubly-periodic knots". In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
University of Maryland
College Park, MD 20742-4015

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Brin Postdoctoral fellowship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Maryland, including Sergey Novikov, Elmar Winkelnkemper, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Search Committee
Department of Mathematics
University of Toronto
40 St. George Street, Room 6290
Toronto, ON M5S 3G3
CANADA

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a postdoctoral position beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Toronto, including Dror Bar-Natan, Kunio Murasugi, and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
University of Rochester
Rochester, NY 14627

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Visiting Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

The Hiring Committee
School of Mathematics
Georgia Institute of Technology
Atlanta, GA 30332-0160

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a postdoctoral position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topology and geometry group at Georgia Tech, especially with John Etnyre, whose work in low-dimensional topology and contact geometry is of great interest.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
Harvey Mudd College
301 Platt Boulevard
Claremont, CA 91711

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Teaching and Research Postdoctoral Fellowship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Harvey Mudd, especially Matt DeLong, whose work in knot theory is of especial interest. I also find the breadth of serious mathematics education research at Harvey Mudd inspiring; I have had some exposure to current research in this field through the graduate-run Columbia/NYU teaching seminar, and would be excited to work in a department with such a breadth of knowledge and dedication to teaching.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology. I am interested in efforts toward diversity and inclusivity in mathematics. In May 2012 I was fortunate to be able to participate in the Women in Mathematics: 20th Century Geometry program at the Institute for Advanced Study, at which I had the opportunity to work with many women undergraduates interested in mathematics. I also plan to speak at the first of the American Women in Mathematics biennial research conferences at Santa Clara in March 2013. As I progress in my career and in particular acquire greater mentoring responsibilities, I look forward to helping to encourage students from

underrepresented groups in their mathematical careers.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information. Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Visiting Positions Hiring Committee
Department of Mathematics
Lehigh University
Bethlehem, PA 18015-3174

To the Visiting Positions Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the visiting assistant professor position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

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My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Mathematics Department
Fordham University
441 E. Fordham Road
Bronx, NY 10458

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Peter M. Curran Research Instructorship beginning in the Fall of 2016 As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be very excited to work with the topologists at Fordham, especially Robert Lewis. Additionally, I would continue to collaborate with topologists at Columbia, CUNY, and other nearby schools.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Postdoctoral Hiring Committee
Department of Mathematics
University of Connecticut
196 Auditorium Road, Unit 3009
Storrs, CT 06269

To the Postdoctoral Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Postdoctoral Fellowship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

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My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Department of Mathematics
Syracuse University
215 Carnegie Bldg
Syracuse, NY 13244

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Philip T. Church Postdoctoral Fellowship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

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My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

John McCleary, Chair
Department of Mathematics
Vassar College
124 Raymond Avenue
Poughkeepsie, NY 12604

Dear Professor McCleary:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Visiting Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
Lehman College
250 Bedford Park Boulevard West
Bronx, NY 10468

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Lecturer Position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
School of Mathematical and Statistical Sciences
Arizona State University
P.O. Box 871804
(Building PSA 216)
Tempe, AZ 85287-1804

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Visiting Assistant Professor position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

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My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Chair of the Hiring Committee
Department of Mathematics
Northeastern University
567 Lake Hall
Boston, MA 02115

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Research Instructorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topology and geometry group at Northeastern, especially Ben Webster, whose work in low-dimensional topology is of interest.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
Purdue University
150 N. University St.
West Lafayette, IN 47907-2067

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for either the Golomb Visiting Assistant Professor position or the Assistant Professor position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

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I would be excited to work with the topologists and geometers at Purdue, particularly Ralph Kauffman, whose work on TQFTs ahd Hochschild algebras is of great interest.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Sincerely,

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Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Mathematics and Statistics Department
Smith College
44 College Lane
Northampton, MA 01063

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
University of Oklahoma
601 Elm Avenue
Norman, OK 73019

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

RTG Search Committee
Department of Mathematics
University of California, Santa Barbara
Santa Barbara, CA 93106-3080

To the RTG Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for either the Visiting Assistant Professor Position in Topology and Geometry or the general Visiting Assistant Professor Position beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at UC Santa Barbara, including Darren Long and Ken Millet, among others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

VAP Search Committee
Department of Mathematics
University of California, Santa Barbara
Santa Barbara, CA 93106-3080

To the Visiting Assistant Professor Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for either the Visiting Assistant Professor Position in Topology and Geometry or the general Visiting Assistant Professor Position beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

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Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Chair, Search Committee
Department of Mathematics
University of Georgia
Athens, GA 30602

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Assistant or Associate Professor position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Georgia, including Gordana Matic and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Search Committee
Mathematics Department
Bard College
PO Box 5000
Annandale-on-Hudson, NY 12504

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Visiting Assistant Professor Position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Recruiting Committee
Department of Mathematics
310 Malott Hall
Cornell University
Ithaca, NY 14853-4201

To the Recruiting Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the H. C. Wang Assistant Professor Position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topology and geometry group at Cornell, especially Tara Holm, whose work with equivariant cohomology is of interest, and Allen Hatcher.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Search Committee
Department of Mathematics
Campus Box 395
University of Colorado, Boulder
Boulder, CO 80309-0395

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Burnett Meyer Instructorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Mathematics
255 Hurley Hall
University of Notre Dame
Notre Dame, IN 46556

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for the Assistant Professor Position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists at Notre Dame, including Laurence Taylor and Stephan Stolz, among others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Advisory Committee
Department of Mathematics
The Ohio State University
100 Math Tower
231 W. 18th. Avenue
Columbus, OH 43210

To the Advisory Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Hans J. Zassenhaus Assistant Professorship or an Arnold Ross Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

The Hiring Committee
Department of Mathematics
Wells Hall
Michigan State University
East Lansing, MI 48824-1027

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a postdoctoral position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topology and geometry group at MSU, especially Ronald Fintushel, whose work with four-manifolds and gauge theory is of great interest, and Matthew Hedden, whose work with Heegaard Floer homology is closely related to my field of research.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Search Committee
Department of Mathematics
McAllister Building
Penn State University
University Park, PA 16802

To the Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for an S. Chowla Research Assistant Professorship or a postdoctoral position beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Dept. of Mathematics, Van Vleck Hall
University of Wisconsin-Madison
480 Lincoln Drive
Madison, WI 53706-1388

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Van Vleck Visiting Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the topologists and symplectic geometers at Wisconsin-Madison, including Yong-Geun Oh and others.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, and my research and teaching statements. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

SEW Search Committee
Department of Mathematics-0112C
University of California, San Diego
9500 Gilman Drive
La Jolla, CA 92093-0112C

To the SEW Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Stefan E. Warschawski Assistant Professorship beginning in the Fall of 2016, as posted on the MathJobs website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of My application consists of the AMS cover sheet, my curriculum vitae, a list of publications, my research and teaching statements, and a statement concerning my contributions to diversity. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Chapman Fellowship Search Committee
Mathematics Department
South Kensington Campus
London SW7 2AZ

To the Chapman Fellowship Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Chapman Fellowship beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be excited to work with the outstanding geometry group at Imperial, including Simon Donaldson, András Juhász, Tom Coates, and Dorothy Buck. Dr. Juhász's work in Heegaard Floer homology is especially relevant to my field of research.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the Imperial Research Application and a brief description of my research interests. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hiring Committee
Department of Pure Mathematics and Mathematical Statistics
Wilberforce Rd, Cambridge CB3 0WB

To the Hiring Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Postdoctoral Research Fellowship in Pure Mathematics beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be very excited to work with the topology and geometry group at Cambridge, particularly Ivan Smith, whose work on localization spectral sequences I have used extensively in my research, and Jacob Rasmussen, who is one of the originators of Heegaard Floer homology.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology.

My application consists of the CHRIS 6 form, a full curriculum vitae, a brief statement of research interests, a list of publications, and the details of my referees. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information.

Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang

UCLA Mathematics Department
Box 951555
Los Angeles, CA 90095
jaclynlang@math.ucla.edu
303-587-4174

November 3, 2015

Hooke and Titchmarsh Fellowship Search Committee
The Mathematical Institute
24-9 St Giles'
Oxford OX1 3LB

To the Hooke and Titchmarsh Fellowship Search Committee:

I am a Ph.D. student in algebraic number theory at UCLA. I will graduate in June 2016 and would like to apply for a Titchmarsh Fellowship in Pure Mathematics beginning in the Fall of 2016, as posted on your website. As an undergraduate at Bryn Mawr, my professors embodied the teacher-scholar ideal. They were my role models through graduate school as I developed my research program while honing my teaching skills to address the diverse undergraduate student body at UCLA.

My research is in the area of algebraic number theory. The main result of my thesis, which concerns the size of images of certain Galois representations, is under review at *Algebra and Number Theory*. Furthermore, as part of the Women in Numbers 3 Workshop my collaborators and I developed an algorithm that to compute the first examples of shadow lines - a certain invariant associated to elliptic curves. Our paper will appear in the peer-reviewed conference proceedings. One of my future research projects will combine computation and Galois representations, a project on which I would like to work with undergraduate researchers.

I would be very excited to work with the topology and geometry groups at Oxford, particularly Christopher Douglas, whose work in Heegaard Floer homology is closely related to my field of research, and Marc Lackenby, whose work in low-dimensional topology is also of great interest.

I am committed to advocating for and supporting underrepresented minorities in mathematics through my teaching and mentoring. In 2012 I was a teaching assistant and mentor for the Summer Program for Women in Mathematics at George Washington University, a program for undergraduate women majoring in math from around the country. I was honored to receive the 2014 Distinguished Teaching Award from the UCLA Mathematics Department. As a Teaching Assistant Consultant at UCLA, I developed curriculum to teach new TAs about pedagogy, including a guest lecture on stereotype threat from a professor of social psychology. During my graduate studies, I have been an active conference participant and seminar speaker. In 2012 I spoke at the AMS Special Session in Low Dimensional Topology at the University of Florida and at the Graduate Workshop in Contact and Symplectic Topology at the Simons Center for Geometry and Physics. I also gave a many talks in university topology seminars; for a full list, please see my curriculum vitae. I hope to maintain a high level of participation in the mathematical community during my postgraduate work.

My application consists of my curriculum vitae, including a list of publications, a brief statement of research interests, and a copy of my paper "A rank inequality for the knot Floer homology of double

branched covers," which has been accepted for publication in *Algebraic & Geometric Topology*. In addition, it includes letters of reference from my advisor, Haruzo Hida, and from Jacques Tilouine, Chandrashekhar Khare, and Olga Radko. Dr. Radko's letter addresses my teaching experience.

Please let me know if any of these items is not accessible or if I can provide any further information. Thank you for your time and consideration. I look forward to talking with you.

Sincerely,

Jaclyn Lang