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EDUCATION:

PhD in Mathematics, minor in Mechanics and Materials Science, University of Kentucky
(Lexington, KY), GPA 3.8/4.0, December 2004. Advisor: Chi-Sing Man

MA in Mathematics, University of Kentucky, GPA 3.9/4.0, December 1998

BS in Mathematics, minor in Chemical and Physical Science, Meredith College (Raleigh, NC),
Summa Cum Laude, August 1995

PUBLICATIONS:

Recovery of through-thickness texture profiles in sheet metals by resonance spectroscopy.
Leigh L. Noble, Chi-Sing Man, and Gen Nakamura. In D.O. Thompson and D.E. Chimenti, edi-
tors, *Review of Progress in Quantitative Nondestructive Evaluation*, volume 23, pp. 1232–1239. AIP,
2004

Designing textured polycrystals with specific isotropic material tensors: the ODF method.
C.-S. Man and L. Noble. *Università e Politecnico di Torino. Seminario Matematico. Rendiconti*,
58:155–170, 2000

PRESENTATIONS:

“Recovery of texture coefficients as functions of depth in sheet metals” at the 2004 SIAM Annual
Meeting; Portland OR; July 2004

“Recovery of through-thickness texture profiles in sheet metals by resonance spectroscopy” poster
with Chi-Sing Man at the 30th Annual Review of Progress in Quantitative Nondestructive Evaluation
Conference; Green Bay WI; July 2003

“Introduction to quantitative texture analysis” at the 15th Annual Eastern Kentucky University Sym-
posium in the Mathematical, Statistical, and Computer Sciences; Richmond KY; April 2001. *Award
for Best Graduate Student Presenter

RESEARCH EXPERIENCE:

Research Assistant for Prof. Chi-Sing Man; University of Kentucky Department of Mathematics; eleven
semesters between 1998–2003

Graduate Fellow working with Dr. Kenneth Telschow; Idaho National Engineering and Environmental
Laboratory, Idaho Falls ID; Summer 2000; experimented with acoustoelasticity

TEACHING EXPERIENCE:

University of Kentucky; Teaching Assistant —

Instructor: Introduction to Linear Algebra (Junior level course), Summer 2001; College Algebra
(Freshman level course), Fall 2001; Intermediate Algebra (a remedial course), Fall 1999

Recitation Instructor: Calculus II, Fall 1997 and Spring 1998; Elementary Calculus and Its
Applications (business calculus), Fall 2002

Jefferson Community College, Louisville KY; Assistant Instructor —

Assistant: College Algebra and Functions (an online course), Fall 2001