Guide

Day-to-Day

- Good work habits: email, calendar, literature, workings, coding, ideas
- Go to seminars in your general area
- Practise your writing
- Set yourself deadlines and try to stick to them

Longer term

- Tutoring
- Skills classes by Schools of Graduate Studies
- Take subjects or learn something new with a buddy

Guide

Key attributes

- Be active, not passive, in your approach to research
- Submit papers to international refereed journals as you go
- Make the most of opportunities to talk about your work
- Experience outside your home university
- Work hard/play hard

Expand horizons

- Join professional societies
- Get involved in department events

Conferences

Benefits

- You get feedback on your presentation/poster
- Build professional network
- Future employment or maths collaborations

Get more out of conference talks

- Forward planning of talks to go to
- Take notes on key points/references in a talk
- Prepare a question in your mind
- Speakers like to be approached after talk
- Learn differences between good/poor talks
- Don't be discouraged if you don't understand talks

Common emotions

- Feeling lost/struggle identifying immediate goals and means of achieving them
- Banging head against brick wall/elation on a discovery or get something out
- Be reflective – assess how much new knowledge and skills you have gained
- Low point mid-PhD perhaps
- Talk to peer group

Keys to success

Need a good subset of these

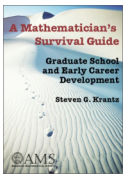
- Extremely motivated
- Creative
- Smarts
- **Tenacity**
- Very hard working, discipline
- Very lucky

Stay or go?

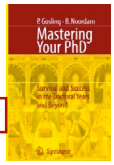
From PhD to…

SIROMATH

Some resources



The Survival of a Mathematician



http://sciencecareers.sciencemag.org/

http://science-professor.blogspot.com/
FemaleScienceProfessor
Musings of a mid-career science professor at a large research university.