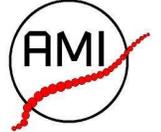




PIMS / AMI Seminar

Friday, October 8, 2010
1:00 p.m.
CAB 373

Applied
Mathematics
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... the backbone of science!

“Wiener's lemma for infinite matrices and nonlinear maps”

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Abstract

The classical Wiener's lemma states that if a periodic function does not vanish on the real line and has absolute convergent Fourier series, then its reciprocal has absolutely convergent Fourier series too. In this talk, I will discuss its extension to infinite matrices satisfying various off-diagonal decay conditions and to nonlinear maps with localized gradients. I will also discuss its applications to (nonlinear) sampling problems.

Refreshments will be served in CAB 649 at 1:00 p.m.