CALENDAR

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Time</th>
<th>Place</th>
<th>Speaker</th>
<th>Title</th>
<th>Abstract Linked</th>
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</thead>
<tbody>
<tr>
<td>Wednesday, May 18</td>
<td>Graduate Seminar</td>
<td>12:00 p.m.</td>
<td>Jeffery 102</td>
<td>Francois Marshall</td>
<td>Robust Spectrum Estimation: Application to Relative Ionospheric Opacity Meters</td>
<td>Attached</td>
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<tr>
<td>Wednesday, May 18</td>
<td>Summer Number Theory Seminar</td>
<td>3:00 p.m.</td>
<td>Jeffery 422</td>
<td>M. Ram Murty, Queen’s University</td>
<td>An introduction to class field theory, part 3</td>
<td>Attached</td>
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<tr>
<td>Monday, May 23</td>
<td>Victoria Day</td>
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<td>University offices will be closed.</td>
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Items for the Info Sheet should reach Anne (burnsa@mast.queensu.ca) by noon on Monday. The Info Sheet is published every Tuesday.

Wednesday, May 18, 12:00 p.m. Jeffery 102  
Graduate Seminar  
Speaker: Francois Marshall  
Title: Robust Spectrum Estimation: Application to Relative Ionospheric Opacity Meters  

Abstract: Relative ionospheric opacity meters (riometers) are radio antennae which measure the effects of the solar wind on the upper atmosphere.

Their response is a voltage series, and because they are outdoors measuring natural phenomena, riometers are prone to a full range of noise sources and contaminating agents.

In this presentation, a review will be given of robust techniques for computing an estimate of the spectral density.

Wednesday, May 18, 3:00 p.m. Jeffery 422  
Summer Number Theory Seminar  
Speaker: M. Ram Murty  
Title: An introduction to class field theory, part 3  

Abstract: We will continue our informal introduction to class field theory highlighting the work of Kronecker and Weber which inspired the conjectures of Hilbert.