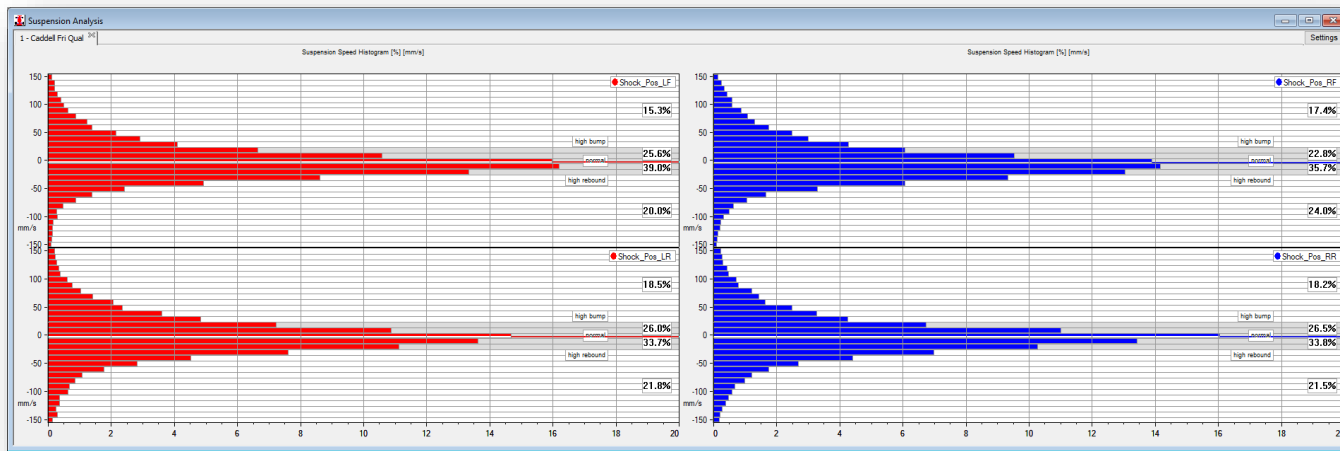




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Webinar Series

Bringing Data Support and Training to You

Suspension Analysis
In Race Studio 2 Analysis

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Roger Caddell

AIM Sports National Training Manager



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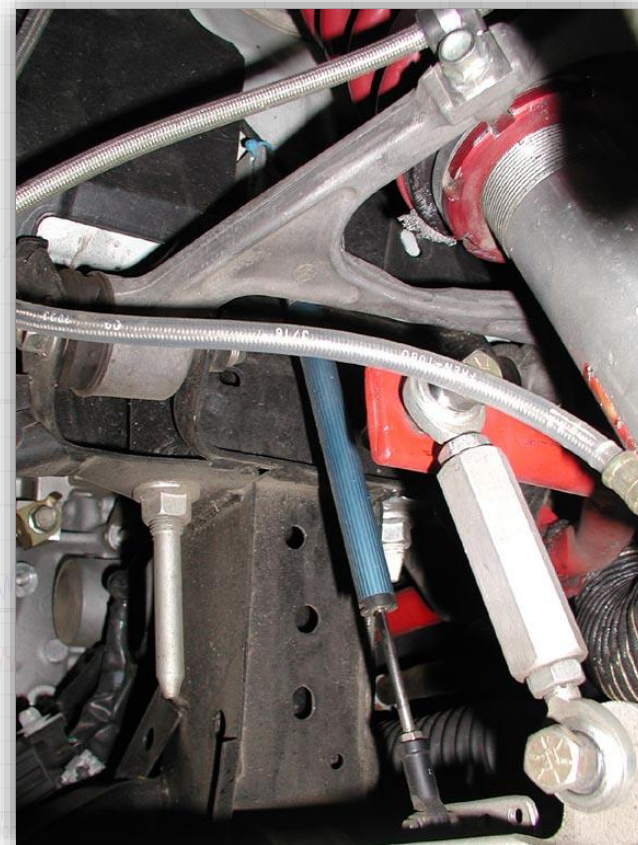
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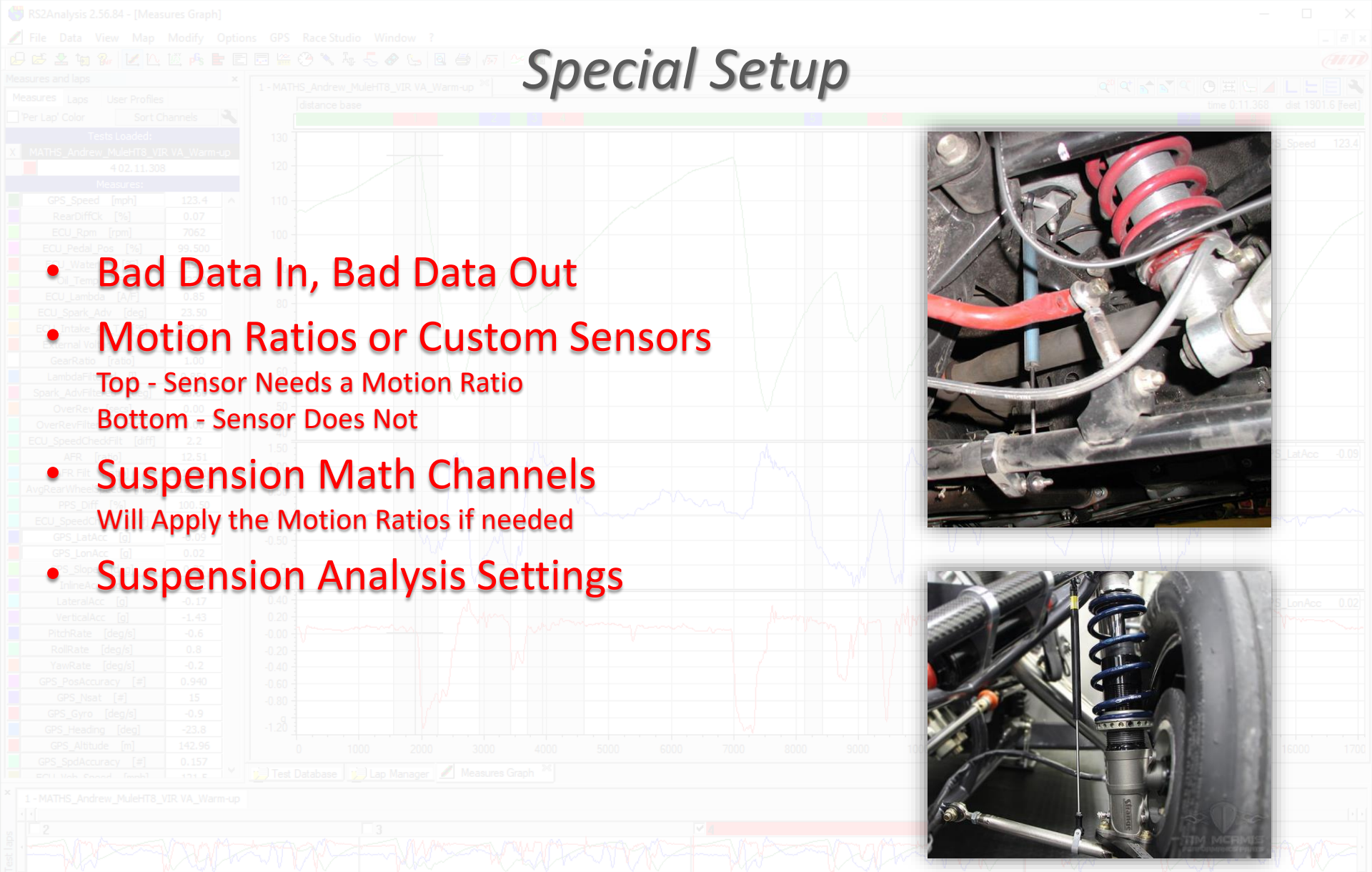
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Sensor Thoughts

- Careful Sensor Mounting
- Try to Mount Out of Harms Way
- Different Sensor Types
 - Linear Pot on Right
 - Rotary Pot Below (2008 Cadillac GTS Ride Height Sensor)
- Different Sensor Lengths
- Sampling Rate Considerations
- Sensor Calibration

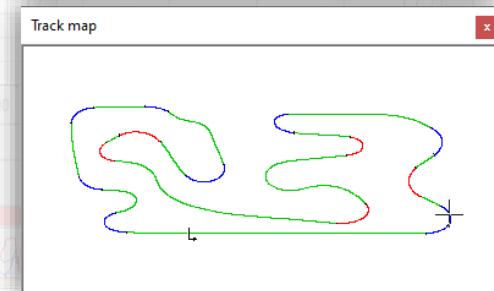
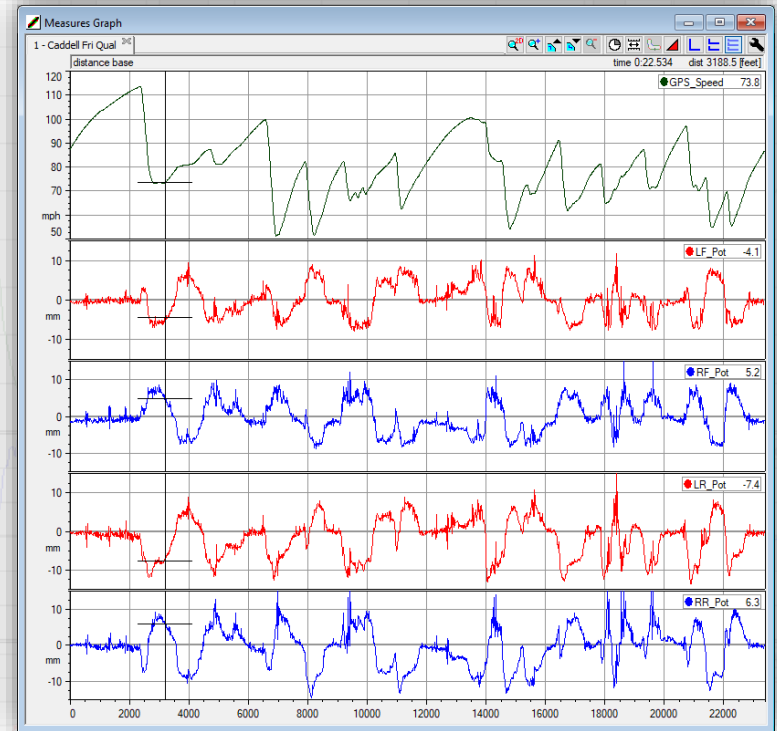


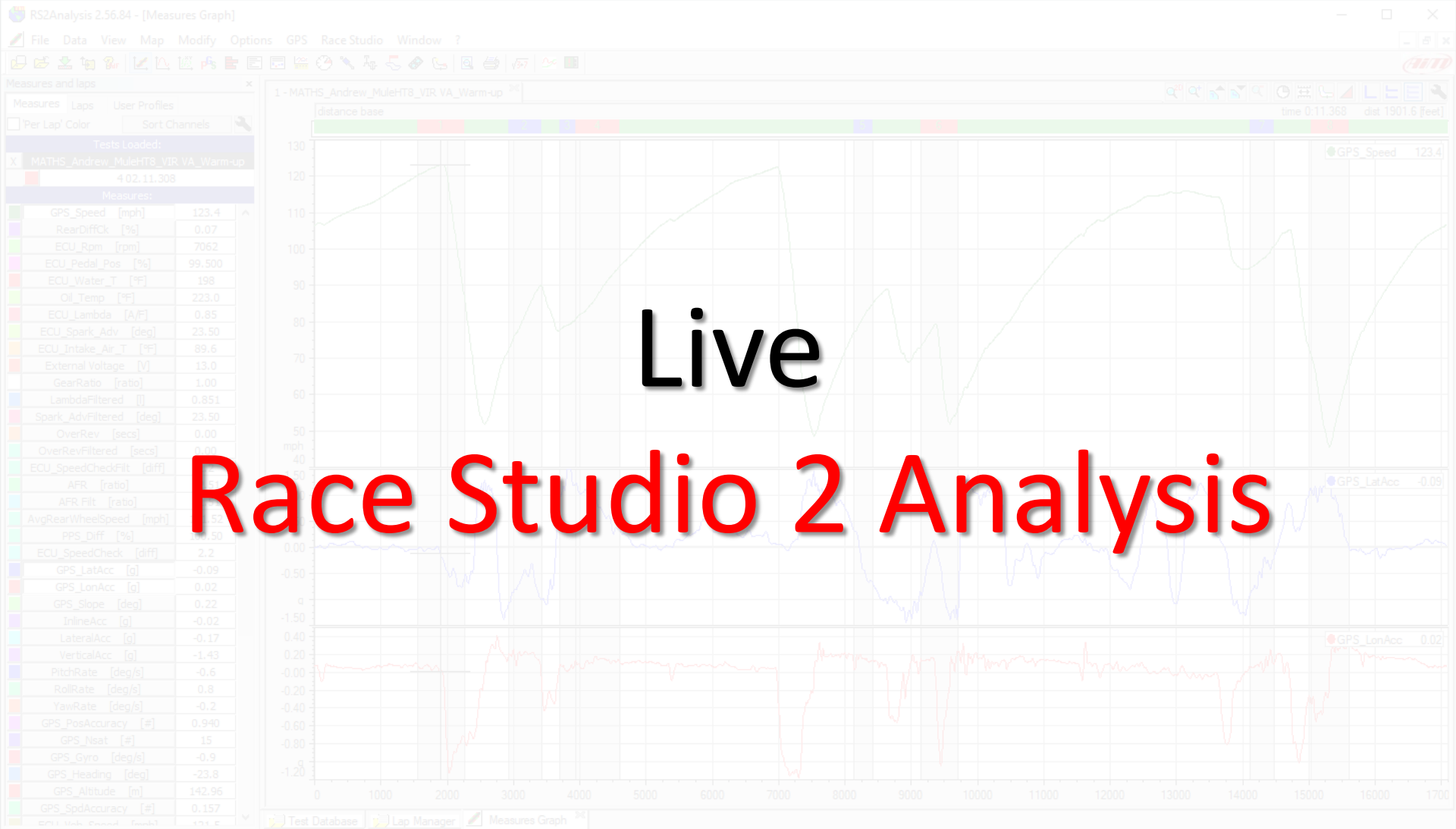


- **Bad Data In, Bad Data Out**
- **Motion Ratios or Custom Sensors**
 - Top - Sensor Needs a Motion Ratio
 - Bottom - Sensor Does Not
- **Suspension Math Channels**
 - Will Apply the Motion Ratios if needed
- **Suspension Analysis Settings**

Basic Damper Position

- **Basic Damper Position Data**
Standard 'Measures Graph' Function
- **Typically, Zero is at Ride Height**
- **Trace Follows the Suspension**
Positive or Up, the Tire Going Up (compression)
Negative or Down, the Tire Going Down (rebound)
- **See the Aero Effect on Pitch?**
Front Down, Rear Up on Long Straight
- **See the Braking Effect on Pitch?**
Front Down, Rear Up on Straight Line Braking
- **See the Turning Effect on Roll?**
Right Sides Compressed, Lefts in Droop at Cursor



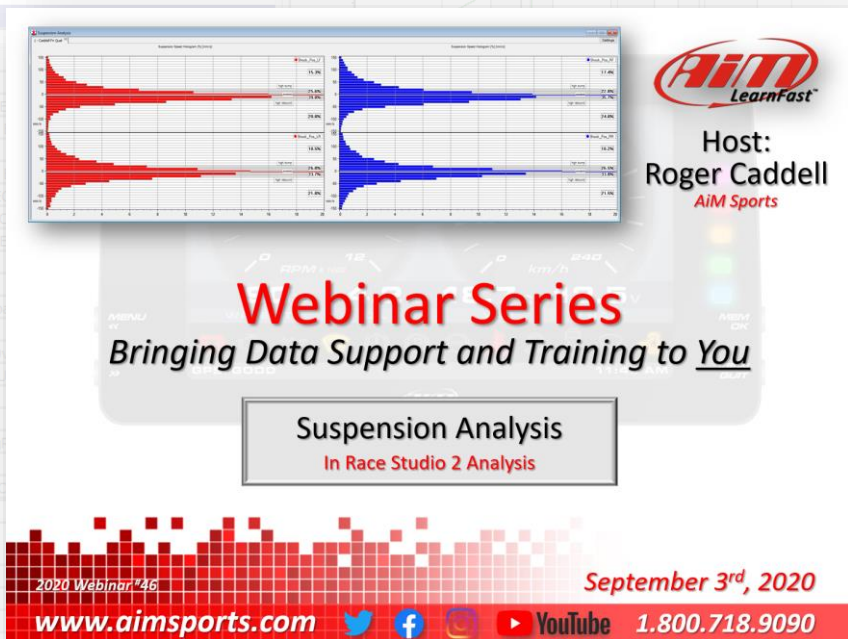


Live Race Studio 2 Analysis

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- Race Studio 3 Basic Configuration - Part 1
- Race Studio 3 Basic Configuration - Part 2
- **I Have Downloaded my Data, Now What - Part 1*
- **I Have Downloaded my Data, Now What - Part 2*
- GPS Lap Insert
- Data Views
- Measure Units
- Sort Channels
- Test Properties
- Per Lap Color
- Export Tests
- Channel Reports
- Setting Time
- Track Mapping
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10:00am Pac / 1:00pm East

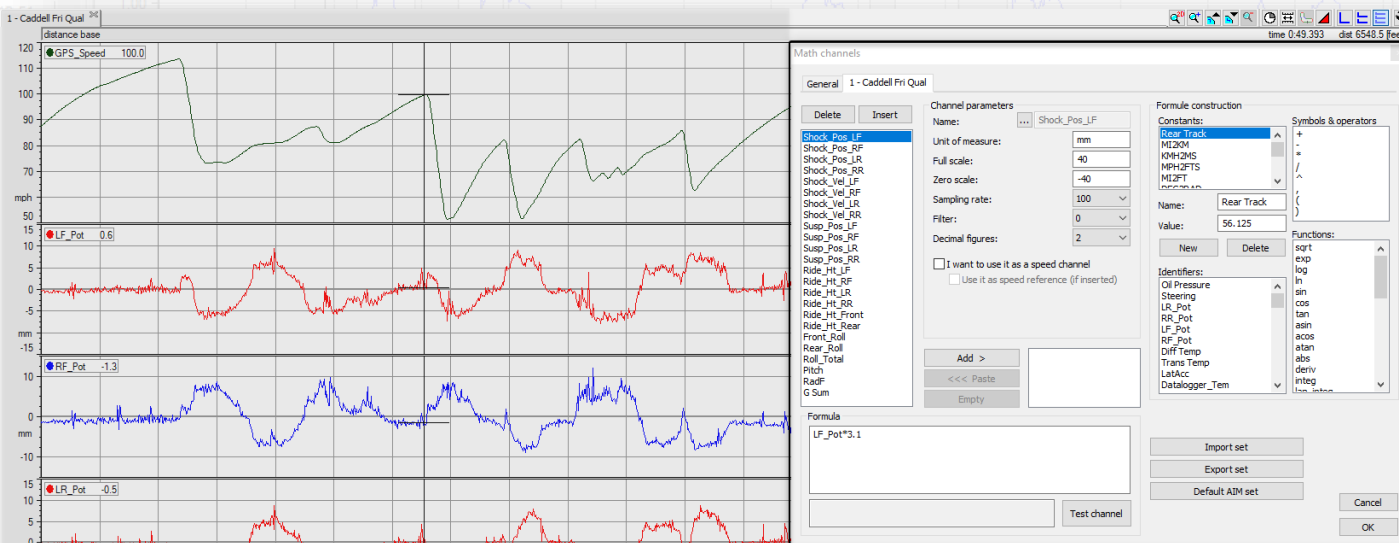


Co-Host
Emiliano Bina

AiM Sportline - Software



Math Channels - Interactive in Race Studio 2 Analysis



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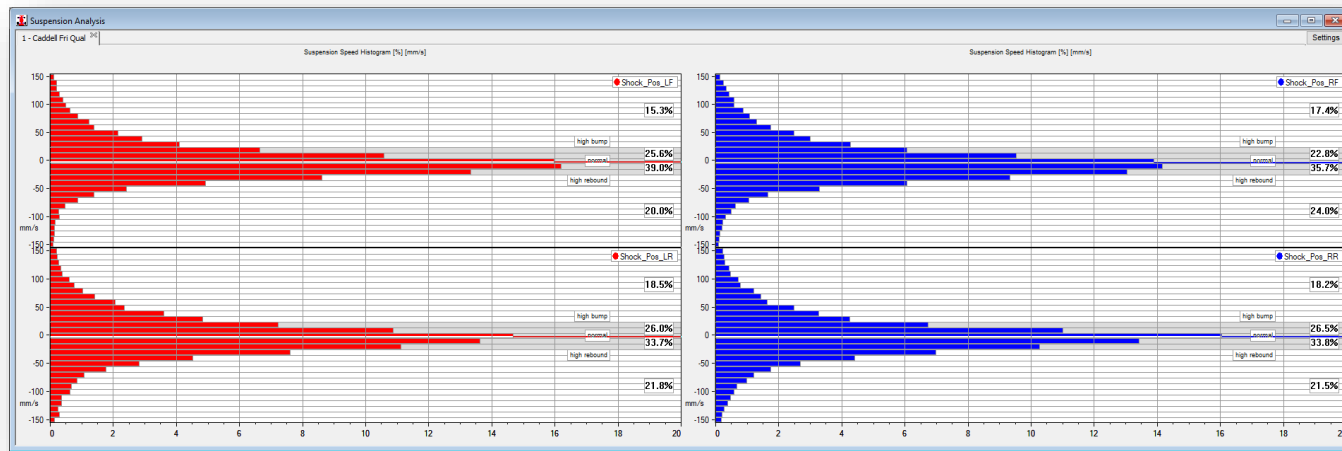


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Math Channels – Interactive!





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