

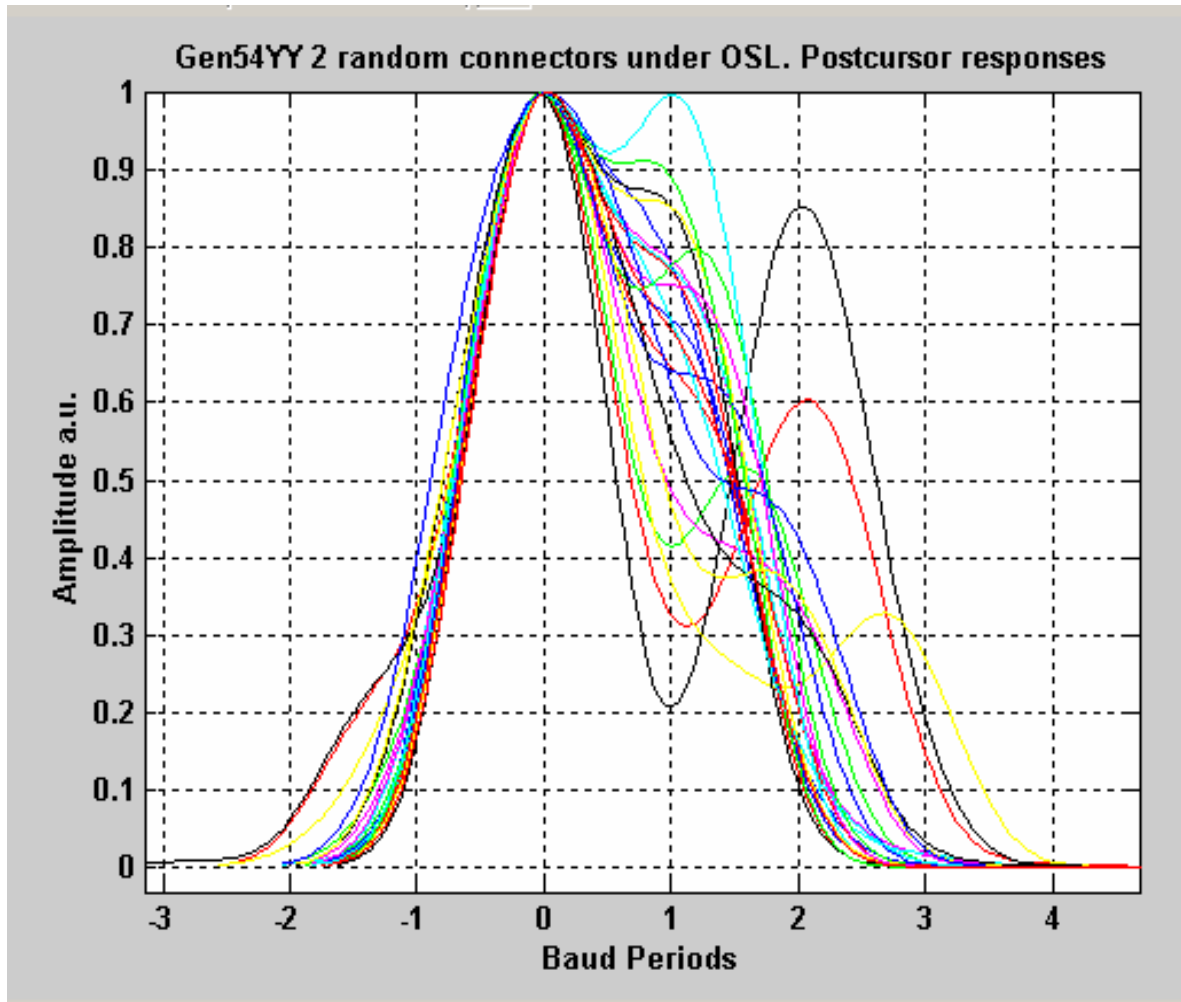
# TP3 Stressed Sensitivity Test

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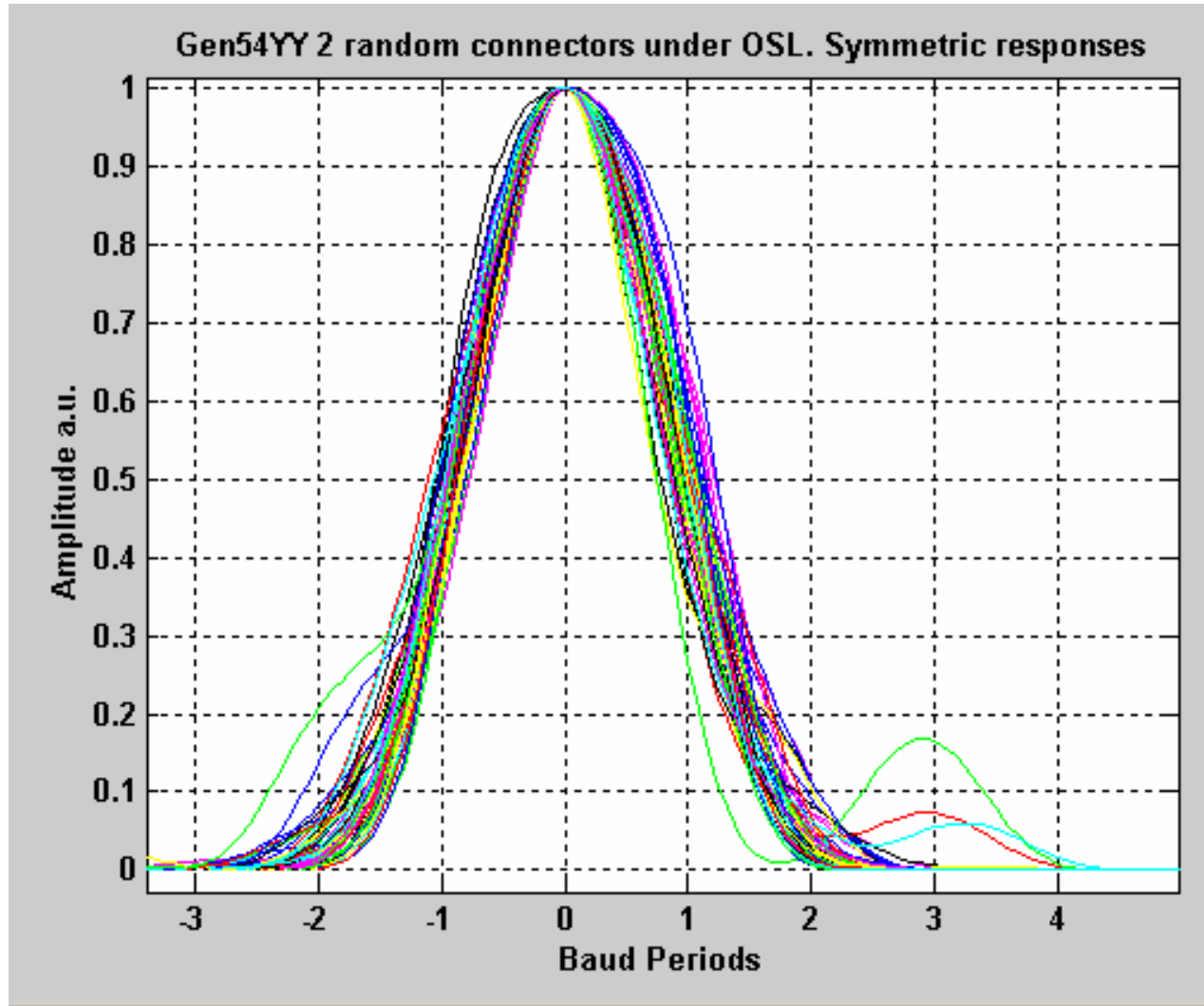
# Background

- Step 3 in Lew Aronson's flow chart
  - Classify IPR's into 3 types, Pre-Cursor, Symmetric or Post-Cursor
- Simulated Fiber Model details
  - 300m of Monte-Carlo fiber model (Gen54YY)
  - 2 connectors with random offsets,
    - Rayleigh distributed, mean = 3.58um, truncated at 7um
  - Standard Offset Launch 17-23um
  - Step 2: Channel Metric is PIE-D. Range is 4.5 +/- 0.5dB
- Impulse responses were automatically sorted from model
  - DC group delay of the pulse response was computed
    - Measure of "center of gravity" of pulse
    - This is then compared to the location of main peak
  - Pulse is declared symmetric if DC Group Delay is within 3% of main peak location
  - Pulse is declared pre-cursor if DC Group Delay is within -15 +/- 3% of mean peak location
  - Pulse is declared post-cursor if DC Group Delay is within 20 +/- 3% of mean peak location

# Post-Cursor



# Symmetric



# Pre-Cursor

