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HyperWorksTips + Tricks

## Point mobility & Panel Analysis - Optistruct

**Product**: OptiStruct
**Product Version**: OptiStruct 11.0 or above

## Topic Objective

Point mobility & Panel analysis using Optistruct.

## Topic Details

Point Mobility is a Frequency Response analysis that engineers do to measure the dynamic response (say velocity) at an excitation point by a known force (mostly unit force).Panel participation is an output we request from a Frequency response analysis to understand how much each of your panels in the structure is contributing to the peak response you observe from the Frequency response analysis.

```
SUBCASE       4
  DLOAD =        3
  PFPANEL(PANEL=ALL,FREQUENCY=ALL) = 1
  SET 1 = 18884,5057
  OUTPUT,PUNCH
$$-----------------------------------------------------------------
```

One can check what are the contributions of each panel to the high peak you observe in the dynamic response using the post processing utilities in NVH in HyperGraph. The bottom panel shows high contribution in below screenshot.

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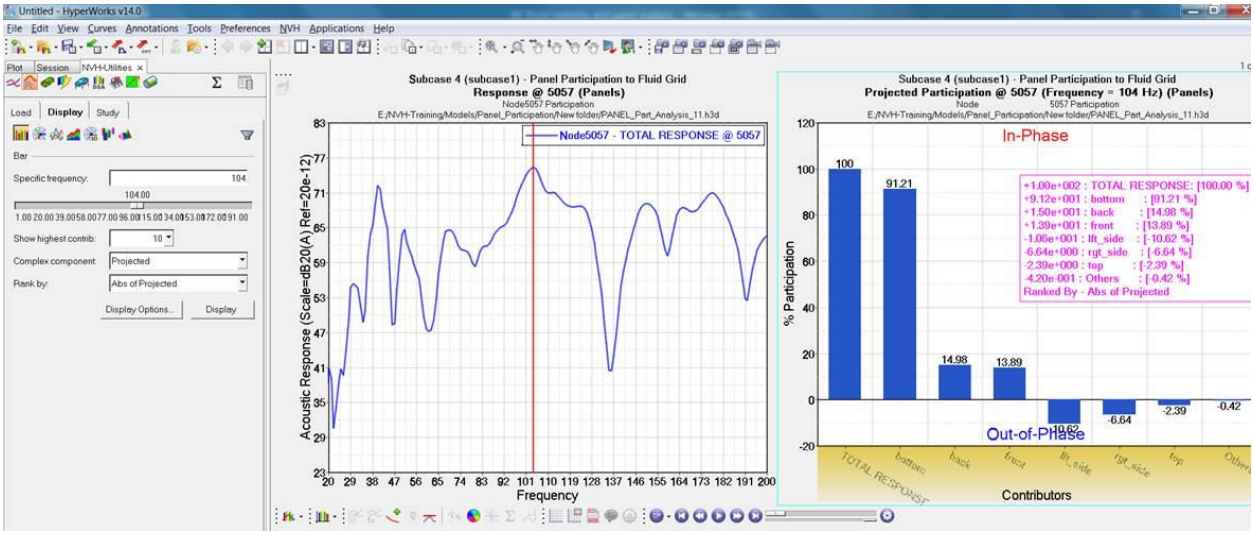
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