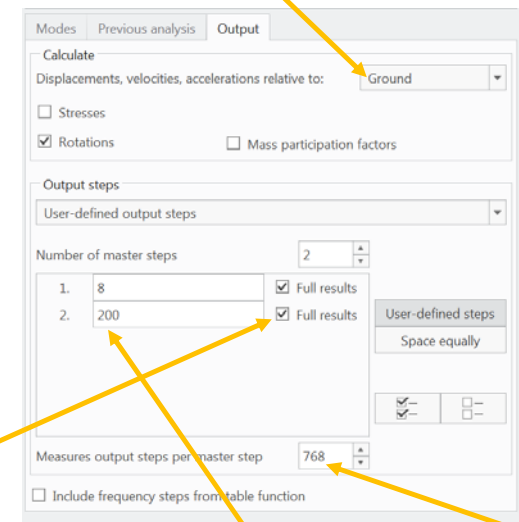
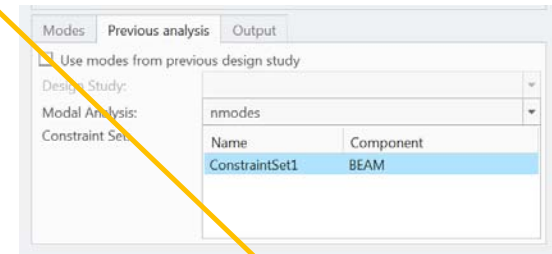
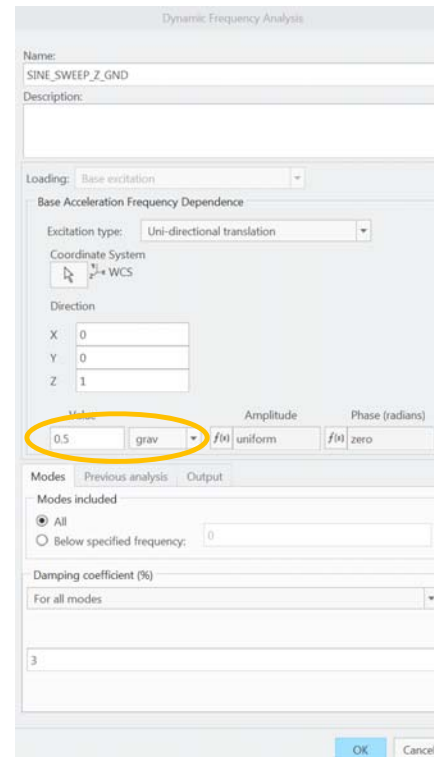
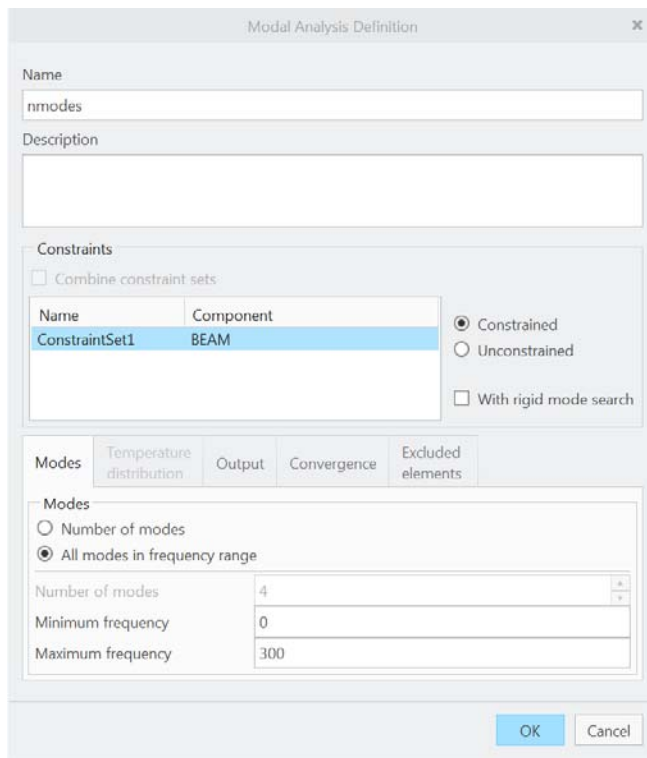


# BASIC FFR CANTILEVER BEAM

# Analysis Definitions

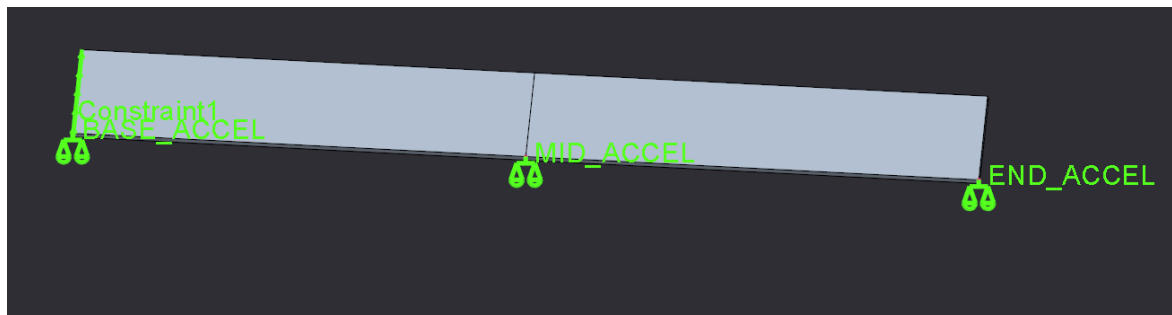
Output relative to ground



Full results only on checked steps

0.25 Hz resolution  $(200 - 8)\text{Hz} / 0.25\text{Hz} = 768$

# Measures



Measure Definition

Name: END\_ACCEL >> Details

Quantity: Acceleration mm / sec<sup>2</sup>

Component: Magnitude

Spatial Evaluation: At Point

Point(s): Point "PNT0"

Dynamic Evaluation: At Each Step

Valid for Analysis Types: Dynamic Time Analysis, Dynamic Frequency Analysis

Visible at higher assembly level

OK Cancel

# Obtaining output graphs on measures

Result Window Definition

Name: Window1 Title:

Study Selection

Design Study: SINE\_SWEEP\_Z\_GND Analysis: SINE\_SWEEP\_Z\_GND

Steps:	Frequency
1	8.000000

Display type: Graph

Quantity | Display Location | Display Options

Graph Ordinate (Vertical) Axis

Measure: BASE\_ACCEL grav

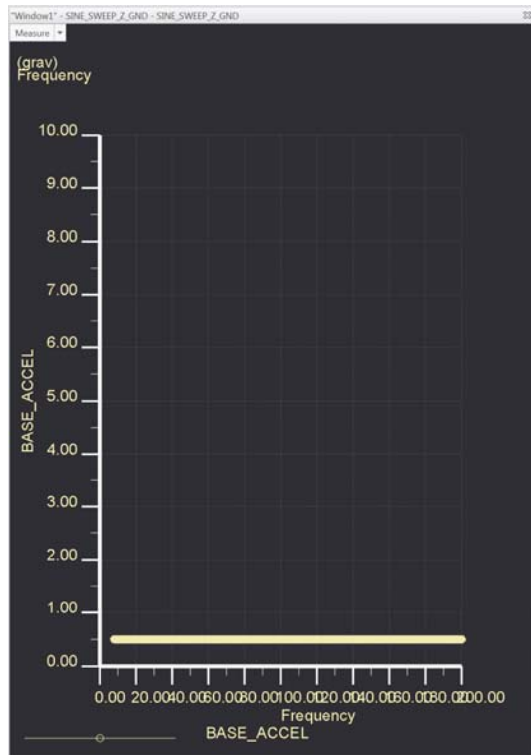
Graph Abscissa (Horizontal) Axis

Frequency: Undefined

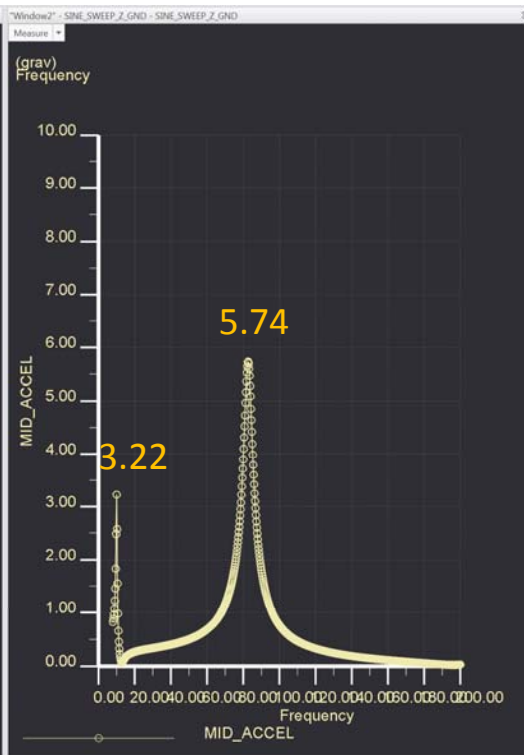
OK OK and Show Cancel

# OUTPUT RELATIVE TO GROUND

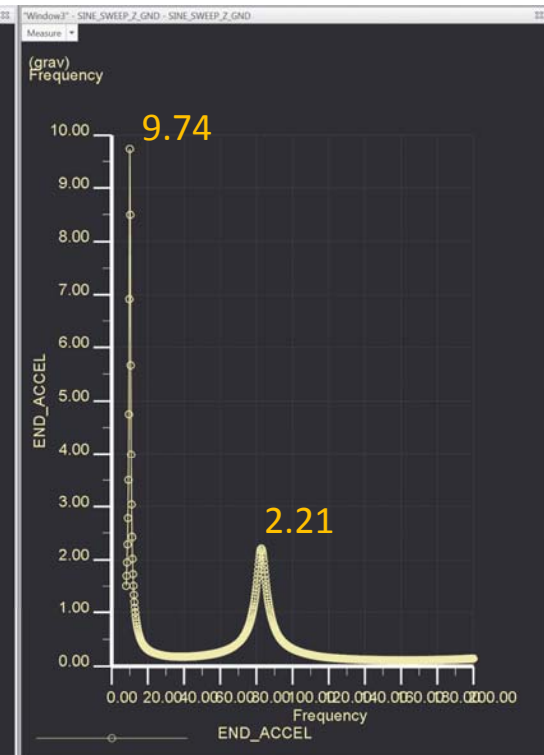
BASE EXCITATION



MID POINT

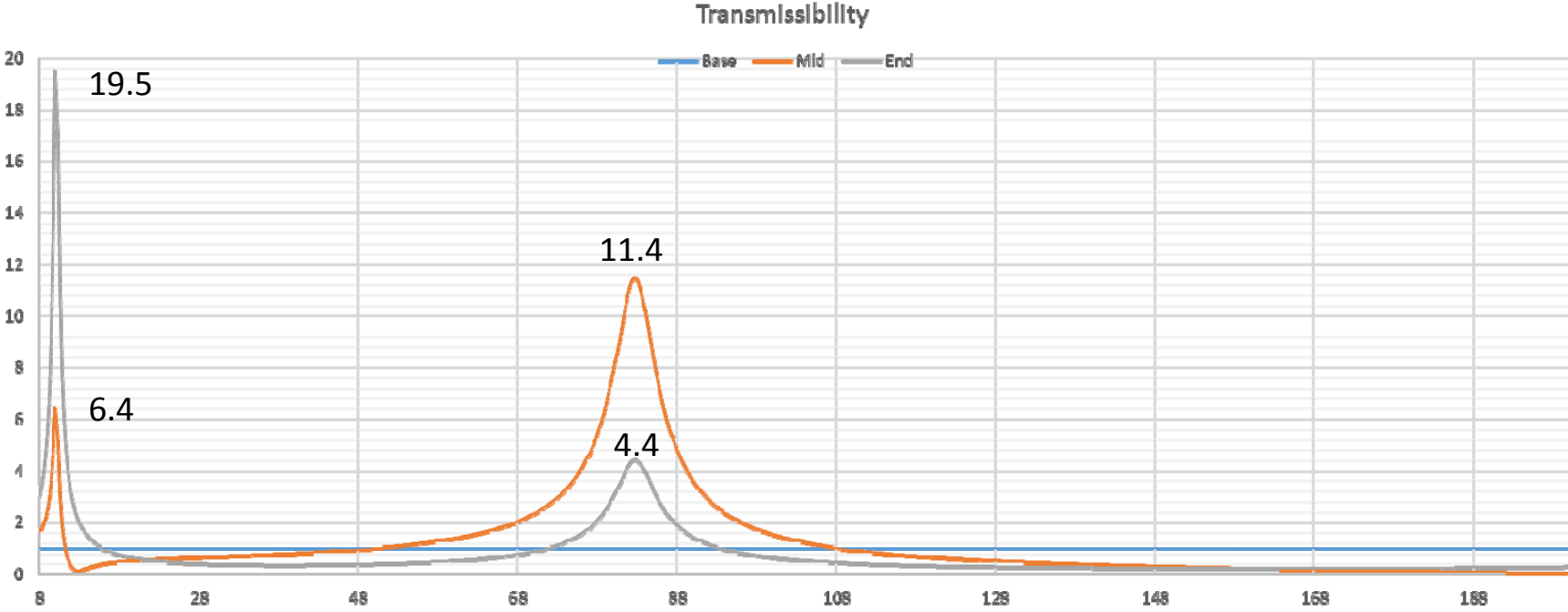


END POINT



SAVE THESE CHARTS TO EXCEL TO COMPUTE TRANSMISSIBILITY

# TRANSMISSIBILITY (Output / Input)



# Mode shapes with transmissibility

1<sup>st</sup> Mode

2<sup>nd</sup> Mode

