## BESWL RESWL eigenvalue\_analysis eswl\_components: dict eswl\_total: dict influences: dict load\_directions: list load\_signals response structure\_model calculate\_total\_ESWL() plot\_eswl\_components(response\_label, load\_directions) plot\_eswl\_directional\_components(load\_directions, response\_label) postprocess()

BESWI.

## **BESWL**

influence\_function load\_directions load\_signals response rms\_background\_response : float spatial\_distribution : dict strucutre\_model weighting factors raw : dict

```
get_B_sl(s, l)
get_rms_background_response()
get_spatial_distribution()
get_static_load_response(direction)
get_weighting_factor()
```

## **RESWL**

damping ratio: float eigenform: dict eigenvalue analysis generalized displacements: ndarray influence function load directions load signals modal mass distribution: dict modes to consider: int participation coeffs of ith mode: ndarray psd of ith generalized force: list response rms resonant response: float spatial distribution: dict structure model weighting factors raw: dict

RESWL

```
get_generalized_displacement(mode_id)
get_modal_mass_distribution()
get_participation_coefficient(directions, mode_id)
get_resonant_modal_base_moment(directions, mode_id)
get_spatial_distribution()
get_weighting_factors()
power_spectral_density_jth_generalized_force()
```