

# Parameters

The following classes of the `twinlab Parameter` function define parameters that can be use to further refine functionality for the respective twinLab function.

## Parameter classes

|   |  |
|---|--|
| <code>DesignParams</code> ([sampling_method, seed])           | Parameter configuration to setup an initial experimental or simulations design structure.              |
| <code>EstimatorParams</code> ([detrend, covar_module, ...])   | Parameter configuration for the Gaussian Process emulator (estimator).                                 |
| <code>ModelSelectionParams</code> ([seed, ...])               | Parameter configuration for the Bayesian model selection process.                                      |
| <code>TrainParams</code> ([estimator, estimator_params, ...]) | Parameter configuration for training an emulator.  |
| <code>ScoreParams</code> ([metric, combined_score])           | Parameter configuration for scoring a trained emulator.  |
| <code>BenchmarkParams</code> ([type])                         | Parameter configuration for benchmarking a trained emulator.   |
| <code>PredictParams</code> ([observation_noise])              | Parameter configuration for making predictions using a trained emulator.                               |
| <code>SampleParams</code> ([seed, fidelity])                  | Parameter configuration for sampling from a trained emulator.  |
| <code>AcqFuncParams</code> (*args, **kwargs)                  |  |
| <code>OptimiserParams</code> (*args, **kwargs)                |  |
| <code>RecommendParams</code> ([weights, num_restarts, ...])   | Parameter configuration for recommending new points to sample using the Bayesian-optimisation routine. |

Parameter configuration for inverting a trained emulator to estimate the input parameters that generated a given output.