

# simStateSpace: Internal Tests

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## Tests

```
#> test-simStateSpace-lin-sde-cov-eta
#> Test passed with 3 successes.

#> test-simStateSpace-lin-sde-cov-y
#> Test passed with 1 success.

#> test-simStateSpace-lin-sde-mean-eta
#> Test passed with 1 success.

#> test-simStateSpace-lin-sde-mean-y
#> Test passed with 1 success.

#> test-simStateSpace-project-to-hurwitz

#> -- Error: test-simStateSpace-project-to-hurwitz< 0 -----
#> Error in `SpectralAbcissa(x = x)`: object '_simStateSpace_SpectralAbcissa' not found
#> Backtrace:
#>      x
#>  1. +-testthat::expect_true(SpectralAbcissa(x = x) < 0)
#>  2. | \-testthat::quasi_label(enquo(object), label)
#>  3. |   \-rlang::eval_bare(expr, quo_get_env(quo))
#>  4. \-global SpectralAbcissa(x = x)

#> Error:
#> ! Test failed with 1 failure and 0 successes.
```

## Environment

```
ls()  
#> [1] "root"
```

## Class

```
#> [[1]]  
#> [1] "root_criterion"
```

## References

- Pesigan, I. J. A., Russell, M. A., & Chow, S.-M. (2025). Inferences and effect sizes for direct, indirect, and total effects in continuous-time mediation models. *Psychological Methods*. <https://doi.org/10.1037/met0000779>
- R Core Team. (2025). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>