

# Package ‘RobAStRDA’

January 20, 2025

**Version** 1.2.2

**Date** 2025-01-15

**Title** Interpolation Grids for Packages of the 'RobASt' - Family of Packages

**Description** Includes 'sysdata.rda' file for packages of the 'RobASt' - family of packages; is currently used by package 'RobExtremes' only.

**Depends** R(>= 3.5.0)

**SysDataCompression** xz

**ByteCompile** yes

**License** LGPL-3

**URL** <https://r-forge.r-project.org/projects/robast/>

**LastChangedDate** {\$LastChangedDate: 2024-01-28 21:11:52 +0100 (So, 28 Jan 2024) \$}

**LastChangedRevision** {\$LastChangedRevision: 1261 \$}

**VCS/SVNRevision** 1332

**NeedsCompilation** no

**Author** Matthias Kohl [aut, cph],  
Bernhard Spangl [ctb] (contributed smoothed grid values of the Lagrange multipliers),  
Sascha Desmettre [ctb] (contributed smoothed grid values of the Lagrange multipliers),  
Eugen Massini [ctb] (contributed an interactive smoothing routine for smoothing the Lagrange multipliers and smoothed grid values of the Lagrange multipliers),  
Mykhailo Pupashenko [ctb] (helped with manual smoothing of the interpolators),  
Daria Pupashenko [ctb] (helped with manual smoothing of the interpolators),  
Gerald Kroisandt [ctb] (helped with manual smoothing of the interpolators),  
Peter Ruckdeschel [cre, cph, aut]

**Maintainer** Peter Ruckdeschel <peter.ruckdeschel@uni-oldenburg.de>

Repository CRAN

Date/Publication 2025-01-15 14:30:12 UTC

## Contents

RobRDA-package . . . . .	2
<b>Index</b>	<b>3</b>

---

RobRDA-package	<i>Interpolation Grids for Packages of RobASt - Family of Pkgs</i>
----------------	--

---

## Description

This package only contains `sysdata.rda` (with corresponding interpolation grids for speedup); it is currently used in package **RobExtremes**. The code to produce its contents is split into two parts: (a) grid construction and (b) interpolator construction. While the code for (a) can be drawn from CRAN-packages **ROptEst** and **RobExtremes**, more specifically: see `?RMXE.xi (RobExtremes)` resp. `?RMXE.th (ROptEst)`, as well as the contents of the (system) folder of package `RobExtremes`, i.e., `dir(file.path(system.file(package="RobExtremes"), "AddMaterial", "interpolation"))`, the code for (b) resides in the present package (and does not need to know anything about the grid construction). As it is not meant for users but rather for developers, it is not exported to the namespace; still, it is documented, see `?generateInterpolators`. The reason to separate the `rda` file from the actual R packages is to keep the latter small while we expect the present package to only need seldom updates. See also mail exchange P.Ruckdeschel - U.Ligges on R-devel—<https://stat.ethz.ch/pipermail/r-devel/2013-February/065794.html>.

## Details

Package:	RobAStRDA
Version:	1.2.2
Date:	2025-01-15
Depends:	R(>= 3.5.0)
LazyData:	yes
ByteCompile:	yes
License:	LGPL-3
URL:	<a href="http://robast.r-forge.r-project.org/">http://robast.r-forge.r-project.org/</a>
VCS/SVNRevision:	1332

# Index

## \* **package**

RobRDA-package, [2](#)

RobAStrDA (RobRDA-package), [2](#)

RobAStrDA-package (RobRDA-package), [2](#)

RobRDA (RobRDA-package), [2](#)

RobRDA-package, [2](#)