stmglossaries package description

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For larger documents, such as reports and thesis, it is nice to have LATEX take care of things like a list of acronyms or symbols.

If you write multiple documents you maybe want to make sure that the acronyms and symbols you use throughout all your texts are consistent. And you maybe also want to have the chance to change a symbol at a single location instead of crawling through every equation that might be affected by a change in notation.

This package provides an expendable set of commonly used acronyms as well as symbols in structural mechanics. It is build upon the glossaries package.

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1. Example

This is a simple test. It uses an acronym auxiliary power unit (APU). You can use all the acronyms defined in Appendix A. The example also has an equation to test the symbols:

$$F = ma (1)$$

It creates a nice little list of symbols

Scalars

Symbol	Name	Description
a	Acceleration	
m	Mass	
F	Force	

2. Requirements

Perl is required to use the arara makeglossaries rule. Either install Perl or include a path to a binary to the system PATH variable. E.g. a Perl binary is shipped with Git under GITINSTALLPATH\usr\bin\.

3. Contents

There are multiple packages included:

Table 1: Package description

Package	Description
stmglossaries	Wrapper around the definitions for acronyms and
	symbols with options to load both
stmglossariesbase	Loads the underlying base package
stmglossariesacronyms	Main package for acronyms
stmglossariesacronymscommands	Acronym utility and shortcut commands
stmglossariesacronymsitems	Acronym definitions
stmglossariesacronymsstyles	Styles for printing acronym lists
stmglossariesglossary	Main package for glossary
stmglossariesglossarycommands	Glossary utility and shortcut commands
stmglossariesglossaryitems	Glossary entry definitions
stmglossariesglossarystyles	Styles for printing glossary lists
stmglossariessymbols	Main package for symbols
stmglossariessymbolscommands	Utility commands for symbols
stmglossariessymbolsitems	Symbol definitions
stmglossariessymbolsstyles	Styles for printing symbol lists

3.1. Acronyms

stmglossariesacronyms.sty is the control package for acronyms. It can be used to control the acronym package modules.

stmglossariesacronymsitems.sty contains all acronym definitions. These can be used by the \gls-like commands of glossaries, see section 6.1 of the glossaries documentation.

stmglossariesacronymsstyles.sty contains implementations for the style option in a call to \printglossary[type=\acronymtype,style=STYLENAME]. See subsection 6.1 for details.

3.2. Glossary

stmglossariesglossary.sty is the control package for the glossary. It can be used to control the glossary package modules.

stmglossariesglossaryitems.sty contains all acronym definitions. These can be used by the \gls-like commands of glossaries, see section 6.1 of the glossaries documentation.

stmglossariesglossarystyles.sty contains implementations for the style option in a call to \printglossary[type=main,style=STYLENAME]. See subsection 6.2 for details.

3.3. Symbols

stmglossariessymbols.sty is the control package for symbols. It can be used to control the symbol package modules.

stmglossariessymbolsitems.sty contains all symbol definitions. These can be used by the \glssymbol command of glossaries, see section 6.2 of the glossaries documentation.

stmglossariessymbolsstyles.sty contains implementations for the style option in a call to \printglossary[type=scalarlist,style=STYLENAME]. See subsection 6.3 for details.

stmglossariessymbolscommands.sty contains utility commands to facilitate the use of symbols and operators.

4. Usage - in the preamble

There are different options to load acronyms, symbols or the whole thing. Additionally, the package offers some predefined styles to set your symbols in a nice way.

4.1. Base package

stmglossariesbase loads the underlying base package. It must not be loaded explicitly by the user. All other packages check if the package was already loaded with

\usepackage{stmglossariesbase}

In case you or another package have not loaded *stmglossariesbase* with own options beforehand, the package will load the underlying base package with the options acronym, nomain and toc.

4.1.1 Change titles

There are different possibilities to change the displayed title for the individual \printglossary calls. Especially in case the acronyms and glossary packages are used in combination, the from glossaries documentation, please use

```
\renewcommand*{\acronymname}{...}
\renewcommand*{\glossaryname}{...}%
\renewcommand*{\symbolname}{...}%
instead of changing the title locally with
\printglossary[...,title={...}]
```

as the latter does not affect the name in references.

4.2. Load the whole package - acronyms, glossary and symbols

This way, the acronyms, glossary as well as the symbol items are loaded. Load the package by adding

\usepackage{stmglossaries}

to your preamble.

4.2.1 Options

Option acronyms This is a boolean option. Expected values are either true or false. It controls whether to load the acronym definitions.

\usepackage[acronyms=true]{stmglossaries}

acronyms=true is the default and loads the acronyms. It is used in case acronyms=false is not set explicitly.

Option symbols This is a boolean option. Expected values are either true or false. It controls whether to load the symbol definitions.

\usepackage[symbols=true]{stmglossaries}

symbols=true is the default and loads the symbols. It is used in case symbols=false is not set explicitly.

Option items This is a boolean option. Expected values are either true or false. It controls whether to load the item definitions.

\usepackage[items=true] {stmglossaries}

items=true is the default and loads the styles. It is used in case items=false is not set explicitly.

Option styles This is a boolean option. Expected values are either true or false. It controls whether to load the style definitions.

\usepackage[styles=true]{stmglossaries}

styles=true is the default and loads the styles. It is used in case styles=false is not set explicitly.

Option commands This is a boolean option. Expected values are either true or false. It controls whether to load the additional command definitions.

\usepackage[commands=true]{stmglossaries}

styles=true is the default and loads the styles. It is used in case styles=false is not set explicitly.

Option morewrites This is a boolean option. Expected values are either true or false. It controls whether to load the morewrites package.

\usepackage[morewrites=true] {stmglossaries}

morewrites=true is the default. It is used in case morewrites=false is not set explicitly.

Option *makeglossaries* This is a boolean option. Expected values are either true or false. It controls whether to execute the \makeglossaries command at an appropriate location.

\usepackage[makeglossaries=true] {stmglossaries}

makeglossaries=true is the default. It is used in case makeglossaries=false is not set explicitly.

Option autoaddglossaryentrytoacronym This is a boolean option. Expected values are either true or false. It controls whether to invoke a call to the corresponding glossary entry in case an acronym is used.

\usepackage[autoaddglossaryentrytoacronym=false]{stmglossaries}

autoaddglossaryentrytoacronym=false is the default. It is used in case autoaddglossaryentrytoacron is not set explicitly.

Option *linkacronymtoglossary* This is a boolean option. Expected values are either true or false. It controls whether to add a link to the glossary entry in the list of acronyms.

\usepackage[linkacronymtoglossary=false]{stmglossaries}

linkacronymtoglossary=false is the default. It is used in case linkacronymtoglossary=true is not set explicitly.

4.3. Load the acronyms package

This way, the acronyms are loaded. Load the package individually by adding

\usepackage{stmglossariesacronyms}

to your preamble.

In case you load the package individually, you have to add \makeglossaries at a convenient location in your preamble.

4.3.1. Options

Option *items* This is a boolean option. Expected values are either true or false. It controls whether to load the item definitions from stmglossariesacronymsitems.

\usepackage[items=true]{stmglossariesacronyms}

items=true is the default. It is used in case items=false is not set explicitly.

Option styles This is a boolean option. Expected values are either true or false. It controls whether to load the style definitions from stmglossariesacronymsstyles.

\usepackage[styles=true]{stmglossariesacronyms}

styles=true is the default. It is used in case styles=false is not set explicitly.

4.4. Load the glossary package

This way, the acronyms are loaded. Load the package individually by adding

\usepackage{stmglossariesglossary}

to your preamble.

In case you load the package individually, you have to add \makeglossaries at a convenient location in your preamble.

4.4.1. Options

Option items This is a boolean option. Expected values are either true or false. It controls whether to load the item definitions from stmglossariesglossaryitems.

\usepackage[items=true] {stmglossariesglossary}

items=true is the default. It is used in case items=false is not set explicitly.

Option styles This is a boolean option. Expected values are either true or false. It controls whether to load the style definitions from stmglossariesglossarystyles.

\usepackage[styles=true]{stmglossariesglossary}

styles=true is the default. It is used in case styles=false is not set explicitly.

4.5. Load the symbols package

This way, the symbols are loaded. Load the package individually by adding

\usepackage{stmglossariessymbols}

to your preamble. In case you have not loaded *glossaries* with your own options beforehand, the package will load the package with the options acronym, nomain and toc.

In case you load the package individually, you have to add \makeglossaries at a convenient location in your preamble.

4.5.1. Options

Option items This is a boolean option. Expected values are either true or false. It controls whether to load the item definitions from stmglossariessymbolsitems.

\usepackage[items=true] {stmglossariessymbols}

styles=true is the default. It is used in case styles=false is not set explicitly.

Option styles This is a boolean option. Expected values are either true or false. It controls whether to load the style definitions from stmglossariessymbolsstyles.

\usepackage[styles=true]{stmglossariessymbols}

styles=true is the default. It is used in case styles=false is not set explicitly.

Option commands This is a boolean option. Expected values are either true or false. It controls whether to load the command definitions from stmglossariessymbolscommands.

\usepackage[commands=true] {stmglossariessymbols}

styles=true is the default. It is used in case styles=false is not set explicitly.

5. Usage - in the document

5.1. Acronyms

Print the list of acronyms with the style stmacronymstyle and without number using nonumberlist with

\printglossary[type=\acronymtype,style=stmacronymstyle,nonumberlist]

For a description of acronym styles, see subsection 6.1.

A shortcut command using the default style is available:

\printstmacronyms

For the latter to work, the package stmglossariescommands must be loaded, which is the default for the stmglossaries package.

5.2. Glossary

Print the glossary with the style stmglossarystyle and without number using nonumberlist with

\printglossary[type=main,style=stmglossarystyle,nonumberlist]

For a description of glossary styles, see subsection 6.2.

A shortcut command using the default style is available:

\printstmglossary

For the latter to work, the package stmglossariescommands must be loaded, which is the default for the stmglossaries package.

5.3. Symbols

5.3.1. Lists

stmglossariessymbolitems defines a number of lists for different types of symbols:

scalarlist A list for scalar values

vectorlist A list for vectors

matrixlist A list for matrices

statelist A list for peridynamic states

indexlist A list for indices

exponentlist A list for exponents

operatorlist A list for mathematical operators

5.3.2. Combine lists

In case you want to combine the predefined lists and print a single combined list, e.g. for papers, use

```
\documentclass{...}
\usepackage{stmglossaries}
\newglossary[slg1]{symbollist}{syi1}{syg1}{Nomenclature}
\forallglsentries[scalarlist]{\lfoo}{\glsmoveentry{\lfoo}{symbollist}}
\forallglsentries[vectorlist]{\lfoo}{\glsmoveentry{\lfoo}{symbollist}}
\forallglsentries[matrixlist]{\lfoo}{\glsmoveentry{\lfoo}{symbollist}}
\forallglsentries[statelist]{\lfoo}{\glsmoveentry{\lfoo}{symbollist}}
\makeglossaries
\begin{document}
...
\printglossary[type=symbollist,style=YOURSTYLENAME,nonumberlist]
\end{document}
as described in section 16.1 of the glossaries documentation.
```

5.3.3. Commands

Styling There might be a time where you very locally want to define a symbol without adding it to the global list of symbol. Despite that, you want to make sure that the symbol, e.g. for a vector, a matrix or a state, uses the correct notation style.

Therefore, stmglossariessymbolscommands defines a couple of useful styling commands

\romanscalarsymbol A roman scalar symbol
\greekscalarsymbol A greek scalar symbol
\romanvectorsymbol A roman vector symbol
\greekvectorsymbol A greek vector symbol
\romanmatrixsymbol A roman matrix symbol
\scalarstatesymbol A greek matrix symbol
\romanvectorstatesymbol A roman vector state symbol
\romandoublestatesymbol A roman double state symbol

Utility stmglossariessymbols commands defines a couple of useful utility commands to facilitate access to symbols and operators. These automatically add the operator symbol to the respective list.

\csyslocal {a}		\hat{a}
\csysmaterial {a}		\bar{a}
\difference {a}		Δa
\mean {a}		\overline{a}
\norm {a}	2-norm	a
\transpose {a}		a^T
\inverse {a}		a^{-1}
\timederivativeshort {a}		\dot{a}
\timederivativeshorttwo {a}		\ddot{a}
\partialderivativeshort {a}{b}		$a_{,b}$

Printing There are several shortcut commands available for printing the different glossary lists using the respective default style:

```
\printstmscalarglossary
\printstmvectorglossary
\printstmmatrixglossary
\printstmstateglossary
\printstmindexglossary
\printstmexponentglossary
\printstmoperatorglossary
```

In case you want the whole thing at once, use

\printallstmsymbols

6. Styles

6.1. Acronym styles

6.1.1. stmacronymstyle

Description This is a style for acronyms. It has one item column which is left aligned. The columns are Abbreviation and Description. Column headings are not printed.

6.2. Glossary styles

6.2.1. stmglossarystyle

Description This glossary style has two columns. The columns are *Entry* and *Description*. Both columns are left aligned.

6.2.2. stmglossarysourcestyle

Description This glossary style has three columns. The columns are *Entry*, *Description* and Sources. The first two columns are left aligned, the last column is centered.

In case you use this style, at least the following compile sequence is necessary:

```
pdflatex
makeglossaries
pdflatex
biber
pdflatex
pdflatex
```

6.3. Symbol styles

6.3.1. stmsymbolstyle

Description This is the basic style for variables. It has one item column which is left aligned. The columns are *Symbol*, *Name* and *Description*. Column headings are printed.

Example

Scalars

Symbol	Name	Description
a	Acceleration	
m	Mass	
F	Force	

6.0.1. stmonecolpapersymbolstyle

Description This is a style for variables for papers with one centered item column. The columns are *Symbol* and *Name*. Column headings are not printed.

Example

Scalars

- a Acceleration
- m Mass
- F Force

6.0.1. stmtwocolpapersymbolstyle

Description This is a style for variables for papers with two centered item column. The columns are *Symbol* and *Name*. Column headings are not printed.

Example

Scalars

a Acceleration

F Force

m Mass

6.0.1. stmindexstyle

Description This is a style for variable indices with one left align item column. The columns are *Symbol* and *Description*. Column headings are printed.

Example

$$\varepsilon_0$$
 (2)

Indices

Symbol Description

 $()_0$ Reference configuration

6.0.1. stmexponentstyle

Description This is a style for variable exponents with one left align item column. The columns are *Symbol* and *Description*. Column headings are printed.

Example

$$\varepsilon^e$$
 (3)

Exponents

Symbol Description

 $()^e$ Elastic

6.0.1. stmoperatorstyle

Description This is a style for variable operators with one left align item column. The columns are *Symbol* and *Description*. Column headings are printed.

Example

 ∇ (4)

Operators

Symbol Description

 $\nabla(\)$ Fréchet derivative

References

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A. All acronyms

Acronyms

Label	Acronym	Description
acr:4ENF	4ENF	4-point end-notched flexure
acr:4PBP	4PBP	4-point bending plate
acr:6ECT	$6\mathrm{ECT}$	6-point edge crack torsion
acr:6PBP	6PBP	6-point bending plate
acr:8PBP	8PBP	8-point bending plate
acr:AC	AC	advisory circular
acr:ACARE	ACARE	advisory council for aviation research and innova-
		tion in europe
acr:ACO	ACO	ant colony optimisation
acr:ADCB	ADCB	asymmetric double cantilever beam
acr:ADL	ADL	allowable damage limit
acr:ADS	ADS	advancing UK aerospace, defence, security & space industries
acr:AECMA	AECMA	European association of aerospace industries
acr:AFP	AFP	automated fibre placement
acr:AI	AI	artificial intelligence
acr:AIA	AIA	aerospace industries association
acr:AIAD	AIAD	federazione aziende italiane per l'aerospazio, la difesa e la sicurezza
acr:AITM	AITM	Airbus industries test method
acr:ALE	ALE	arbitrary lagrangian-eularian
acr:ALM	ALM	additive layer manufacturing
acr:AMC	AMC	acceptable means of compliance
acr:AMM	AMM	aircraft maintenance manual
acr:API	API	application programming interface
acr:APU	APU	auxiliary power unit
acr:ASD	ASD	aerospace and defence industries association of eu-
		rope
acr:ASTM	ASTM	American society for testing and materials
acr:BB	ВВ	bond-based
acr:BB-PD	BB-PD	bond-based peridynamics
acr:BC	BC	boundary condition
acr:BEM	BEM	boundary element method

acr:BFGS	BFGS	Broydon-Fletcher-Goldfarb-Shanno
acr:BLI	BLI	boundary layer ingestion
acr:BMI	$_{ m BMI}$	bismaleimide
acr:BOM	BOM	bill of material
acr:BS	$_{ m BS}$	british standard
acr:BSD	BSD	Berkeley software distribution
acr:BVID	BVID	barely visible impact damage
acr:BVP	BVP	boundary value problem
acr:BWA	BWA	box-wing aircraft
acr:BWB	BWB	blended wing body
		o v
acr:CA	CA	consortium agreement
acr:CAD	CAD	computer-aided design
acr:CAE	CAE	computer-aided engineering
acr:CAGR	CAGR	compound annual growth rate
acr:CAI	CAI	compression after impact
acr:CAM	CAM	computer-aided manufacturing
acr:CAS	CAS	calibrated air speed
acr:CAx	CAx	computer-aided system
acr:CBA	CBA	cost benefit analysis
acr:CbA	CbA	certification by analysis
acr:CCAI	CCAI	cyclic compression after impact
acr:CCM	CCM	classical continuum mechanic
acr:CDM	CDM	continuum damage mechanics
acr:CDR	CDR	critical design review
acr:CDS	CDS	central difference scheme
acr:CE	CE	constraint equation
acr:CEL	CEL	coupled eulerian-lagrangian
acr:CELS	CELS	calibrated end-loaded split
acr:CEN	CEN	comité européenne normalisation
acr:CER	CER	composite engineering requirements
acr:CFEP	$_{ m CF/EP}$	carbon fibre/epoxy
acr:CFD	CFD	computational fluid dynamics
acr:CFL	CFL	Courant-Friedrichs-Lewy
acr:CFRP	CFRP	carbon fibre reinforced plastic
acr:CG	CG	centre of gravity
acr:CLA	CLA	contributor license agreement
acr:CLC	CLC	combined loading compression
acr:CLS	CLS	cracked lap shear
acr:CLT	CLT	classical laminate theory
acr:CM	CM	continuum mechanic
acr:CME	CME	coefficient of moisture expansion
acr:CMM	CMM	compact mixed mode
acr:CMR	CMR	certification maintenance requirements

acr:CPACS	CPACS	common parametric aircraft configuration schema
acr:CPPS	CPPS	cyber-physical production system
acr:CPS	CPS	cyber-physical system
acr:CPU	CPU	central processing unit
acr:CRAG	CRAG	composite research advisory group
acr:CRI	CRI	certification review item
acr:CRS	CRS	crack rail shear
acr:CSM	CSM	computational structural mechanics
acr:CT2	CT	compact tension
acr:CT	CT	computed tomography
acr:CTE	CTE	coefficient of thermal expansion
acr:CTT	CTT	compact tension test
acr:CWB	CWB	center wing box
acr:CZM	CZM	cohesive zone model
acr:DCB	DCB	double cantilever beam
acr:DDMS	DDMS	digital design, manufacturing and services
acr:DEA	DEA	dielectrical analysis
acr:DELiS	DELiS	design environment for lightweight structures
acr:DENF	DENF	double end-notched flexure
acr:DFP	$_{ m DFP}$	dry fibre placement
acr:DGO	$\overline{\mathrm{DGO}}$	direct gradient-based optimization
acr:DIC	DIC	digital image correlation
acr:DIN	DIN	Deutsches Institut für Normung
acr:DIS	DIS	draft international standard
acr:DKT	DKT	discrete Kirchhoff theory
acr:DLJ	DLJ	double lap joint
acr:DLR:de	DLR	Deutsches Zentrum für Luft- und Raumfahrt e.V.
acr:DLR:en	DLR	German Aerospace Center
acr:DLR	DLR	German Aerospace Center
acr:DMA	DMA	dynamic mechanical analysis
acr:DMMB	DMMB	dissimilar mixed-mode bending
acr:DMS	DMS	data management system
acr:DMTA	DMTA	dynamic mechanical thermal analysis
acr:DMU	DMU	digital mock-up
acr:DNS	DNS	direct numerical simulation
acr:DNSCB	DNSCB	double-notched split cantilever beam
acr:DOA	DOA	design organization approval
acr:DOC	DOC	direct operating costs
acr:DOE	DOE	design of experiments
acr:DOF	DOF	degree of freedom
acr:DOI	DOI	digital object identifier
acr:DSC	DSC	differential scanning calorimetry
acr:DSG	$\overline{\mathrm{DSG}}$	design service goal

acr:DTO DTO damage tolerance acr:E2E E2E end to end acr:EAQG EAQG European aerospace quality group acr:EASA EAS equivalent air speed acr:EASA EAS European aviation safety agency acr:EDT ECT edge crack tension acr:EDA EDA European defence agency acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin method acr:EKDF EKDF environment knock-down factor acr:EN EN end-notched flexure acr:ECM EOM equation of motion acr:ECP EP ep epoxy acr:ECR ERR energy release rate acr:ERR ERR energy release rate acr:ESIS ESIS ESIS extended service goal acr:ERSIS ESIS EUROCAE European defence industries group acr:ECRP EP EP end-notched flexure acr:ECM EACH acr:ENF ENF end-notched flexure acr:ECM EOM equation of motion acr:EOM EOM equation of motion acr:ESG ESG EXE extended service goal acr:ERR ERR energy release rate acr:ESIS ESIS European organization for civil aviation equipment acr:EATA FAA FAA Federal Aviation Administration acr:FAA FAA FAAR federal aviation regulations acr:FAR FAR federal aviation regulations	acr:DSM	DSM	design structure matrix
acr:E2E E2E end to end acr:EAQ EAQ European aerospace quality group acr:EAS EAS equivalent air speed acr:EASA EASA European aviation safety agency acr:EDAS EAS EASA European aviation safety agency acr:EDT ECT edge crack tension acr:EDA EDDA European defence agency acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin method acr:EIS EIS entry into service acr:EKDF EKDF environment knock-down factor acr:ELS ELS end-loaded split acr:EN EN european norm acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations	acr:DT	DT	damage tolerance
acr:EAQG EAQG European aerospace quality group acr:EASA EASA EASA European aerospace quality group acr:ECT ECT edge crack tension acr:EDA EDA European defence agency acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin acr:EFGM EFGM element-free Galerkin method acr:EIS ELS entry into service acr:EKDF EKDF environment knock-down factor acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:ERR ERR energy release rate acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAGM FOM finite difference method acr:FDT FDM finite difference method acr:FDT FDM finite delement	acr:DTO	DTO	data transfer object
acr:EAQG EAQG European aerospace quality group acr:EASA EASA EASA European aerospace quality group acr:ECT ECT edge crack tension acr:EDA EDA European defence agency acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin acr:EFGM EFGM element-free Galerkin method acr:EIS ELS entry into service acr:EKDF EKDF environment knock-down factor acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:ERR ERR energy release rate acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAGM FOM finite difference method acr:FDT FDM finite difference method acr:FDT FDM finite delement			
acr:EAQG EAQG European aerospace quality group acr:EAS EAS EASA European aerospace quality group acr:EASA EASA European aviation safety agency acr:ECT ECT edge crack tension acr:EDA EDA European defence agency acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin acr:EFGM EFGM element-free Galerkin method acr:EIS EIS entry into service acr:EKDF EKDF environment knock-down factor acr:ELS ELS end-loaded split acr:EN EN european norm acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations	acr:E2E	E2E	end to end
acr:EAS EAS equivalent air speed acr:EASA EASA European aviation safety agency acr:ECT ECT edge crack tension acr:EDA EDA EUropean defence agency acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin acr:EFGM EFGM element-free Galerkin method acr:EIS EIS entry into service acr:EKDF EKDF environment knock-down factor acr:ELS ELS end-loaded split acr:EN EN european norm acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAR FAR federal element	acr:EA	EA	evolutionary algorithm
acr:EASA acr:ECT acr:EDA acr:EDA EDA EDA EUropean defence agency acr:EDIG EDIG EUROPean defence industries group acr:EFG EFG EFG EFG EEG Els element-free Galerkin acr:EIS EIS EIS EIS EN ERDF ERDF ERDF ERDF ERDF ERDF ERDF ERDF	$\operatorname{acr}:\operatorname{EAQG}$	EAQG	European aerospace quality group
acr:ECT ECT edge crack tension acr:EDA EDA European defence agency acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin acr:EFGM EFGM element-free Galerkin method acr:EIS EIS entry into service acr:EKDF EKDF environment knock-down factor acr:ELS ELS end-loaded split acr:EN EN european norm acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ESG ESG extended service goal acr:ESIS EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAR FAR form finite cell method acr:FDM FOM finite cell method acr:FDM FOM finite cell method acr:FDT FDT functional dependency table	acr:EAS	EAS	equivalent air speed
acr:EDA EDA European defence agency acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin acr:EFGM EFGM element-free Galerkin method acr:EIS EIS entry into service acr:EKDF EKDF environment knock-down factor acr:ELS ELS end-loaded split acr:EN EN european norm acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE European structural integrity society acr:EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FDT FDT finite element	acr:EASA	EASA	European aviation safety agency
acr:EDIG EDIG European defence industries group acr:EFG EFG element-free Galerkin acr:EFGM EFGM element-free Galerkin method acr:EIS EIS entry into service acr:EKDF EKDF environment knock-down factor acr:ELS ELS end-loaded split acr:ENF ENF end-notched flexure acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS ESIS European structural integrity society acr:EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAR FAR federal wight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FDT FDT finite element	acr:ECT	ECT	edge crack tension
acr:EFG	$\operatorname{acr}:\operatorname{EDA}$	EDA	European defence agency
acr:EFGM EFGM element-free Galerkin method acr:EIS EIS entry into service acr:EKDF EKDF environment knock-down factor acr:ELS ELS end-loaded split acr:EN EN european norm acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:ECS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ESG ESG extended service goal acr:ESIS ESIS European structural integrity society acr:EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAR FAR folinal assembly line acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAR FAR folinal assembly line acr:FAR FAR folinal assembly line acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAR FAR folinal assembly line acr:FAR FAR folinal aviation regulations acr:FAR FAR folinal assembly line acr:FAR folinal assembly line a	acr:EDIG	EDIG	European defence industries group
acr:EIS acr:EKDF acr:EKDF EKDF environment knock-down factor acr:ELS acr:EN EN end-loaded split acr:ENF ENF end-notched flexure acr:EOM acr:EOM EOM equation of motion acr:EOS acr:EP EP epoxy acr:ERP acr:ERR ERR energy release rate acr:ESG acr:ESIS ESIS EUROCAE EUROCAE EUROCAE EUROCAE EUROCAE EUROCAE acr:FAA A FAA FAA Federal Aviation Administration acr:FAL Acr:FAL FAIR findable, accessible, interoperable, usable acr:FAR acr:FAR FAR federal aviation regulations acr:FAR Acr:FAR FAR federal aviation regulations acr:FAW Acr:FAW FAW fibre areal weight acr:FCM Acr:FOM FCM finite cell method acr:FDM Acr:FDT FDT functional dependency table acr:FDT acr:FDT FE finite element	acr:EFG	EFG	element-free Galerkin
acr:EKDF EKDF environment knock-down factor acr:ELS ELS end-loaded split acr:EN EN european norm acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ESG ESG extended service goal acr:ESIS EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FDT FDT finite element	acr:EFGM	EFGM	element-free Galerkin method
acr:ELSELSend-loaded splitacr:ENFENFeuropean normacr:ENFENFend-notched flexureacr:EOMEOMequation of motionacr:EOSEOSequation of stateacr:EPEPepoxyacr:ERPERPenterprise resource planningacr:ERRERRenergy release rateacr:ESGESGextended service goalacr:ESISESISEuropean structural integrity societyacr:FADTF&DTfatigue and damage toleranceacr:FAAFAAFederal Aviation Administrationacr:FAIRFAIRfindable, accessible, interoperable, usableacr:FALFALfinal assembly lineacr:FARFARfederal aviation regulationsacr:FAWFAWfibre areal weightacr:FBGFBGfibre bragg gratingacr:FCMFCMfinite cell methodacr:FDMFDMfinite difference methodacr:FDTFDTfunctional dependency tableacr:FEFEfinite element	acr:EIS	EIS	entry into service
acr:EN EN european norm acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ESG ESG extended service goal acr:ESIS ESIS European structural integrity society acr:EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA Federal Aviation Administration acr:FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FOM FCM finite cell method acr:FDT FDT functional dependency table acr:FEDT FDT functional dependency table acr:FE FE finite element	acr:EKDF	EKDF	environment knock-down factor
acr:ENF ENF end-notched flexure acr:EOM EOM equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ESR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE EUROCAE European structural integrity society acr:FADT F&DT fatigue and damage tolerance acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FDM FOM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:ELS	ELS	end-loaded split
acr:EOM EOS equation of motion acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS ESIS European structural integrity society acr:EUROCAE EUROCAE European organization for civil aviation equipment acr:FAA FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:EN	EN	european norm
acr:EOS EOS equation of state acr:EP EP epoxy acr:ERP ERR enterprise resource planning acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE European structural integrity society acr:EUROCAE EUROCAE European organization for civil aviation equipment acr:FaDT fatigue and damage tolerance acr:FAA FAA Federal Aviation Administration acr:FAIR findable, accessible, interoperable, usable acr:FAL FAL final assembly line acr:FAW FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:ENF	ENF	end-notched flexure
acr:EP EP epoxy acr:ERP ERP enterprise resource planning acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE EUROCAE European structural integrity society acr:FAA FAA Federal Aviation for civil aviation equipment acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FOM FCM finite cell method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:EOM	EOM	equation of motion
acr:ERP ERP enterprise resource planning acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS EUROCAE EUROCAE European structural integrity society acr:FADT fatigue and damage tolerance acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAR FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:EOS	EOS	equation of state
acr:ERR ERR energy release rate acr:ESG ESG extended service goal acr:ESIS ESIS European structural integrity society acr:EUROCAE EUROCAE European organization for civil aviation equipment acr:FaDT F&DT fatigue and damage tolerance acr:FAA FAA Federal Aviation Administration acr:FAIR faIR findable, accessible, interoperable, usable acr:FAL FAL final assembly line acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:EP	EP	epoxy
acr:ESG ESG extended service goal acr:ESIS EUROCAE EUROCAE European structural integrity society acr:FaDT F&DT fatigue and damage tolerance acr:FAA FAA Federal Aviation Administration acr:FAIR findable, accessible, interoperable, usable acr:FAL FAL final assembly line acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:ERP	ERP	enterprise resource planning
acr:ESIS acr:EUROCAE EUROCAE EUROCAE European structural integrity society European organization for civil aviation equipment acr:FaDT acr:FAA FAA FEDT fatigue and damage tolerance acr:FAA FAIR FAIR findable, accessible, interoperable, usable acr:FAL FAL final assembly line acr:FAR acr:FAW FAW fibre areal weight acr:FBG FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM acr:FDT FDT functional dependency table acr:FE FE finite element	acr:ERR	ERR	energy release rate
acr:FaDT F&DT fatigue and damage tolerance acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAL FAR federal aviation regulations acr:FAR FAR federal aviation regulations acr:FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:ESG	ESG	extended service goal
acr:FaDT F&DT fatigue and damage tolerance acr:FAA FAA Federal Aviation Administration acr:FAIR findable, accessible, interoperable, usable acr:FAL FAL final assembly line acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:ESIS	ESIS	European structural integrity society
acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAL FAL final assembly line acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:EUROCAE	EUROCAE	European organization for civil aviation equipment
acr:FAA FAA Federal Aviation Administration acr:FAIR FAIR findable, accessible, interoperable, usable acr:FAL FAL final assembly line acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element			
acr:FAIR acr:FAL FAL final assembly line acr:FAR acr:FAW FAW fibre areal weight acr:FBG acr:FCM FCM finite cell method acr:FDM for the difference method acr:FDT functional dependency table acr:FE finite element findable, accessible, interoperable, usable final assembly line federal aviation regulations federal aviation regulations fibre bragg grating fibre bragg grating finite cell method finite difference method finite difference method finite difference method			
acr:FAL FAL final assembly line acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element		FAA	
acr:FAR FAR federal aviation regulations acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element			
acr:FAW FAW fibre areal weight acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:FAL	FAL	· ·
acr:FBG FBG fibre bragg grating acr:FCM FCM finite cell method acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element		FAR	federal aviation regulations
acr:FCMFCMfinite cell methodacr:FDMFDMfinite difference methodacr:FDTFDTfunctional dependency tableacr:FEFEfinite element		FAW	fibre areal weight
acr:FDM FDM finite difference method acr:FDT FDT functional dependency table acr:FE FE finite element	acr:FBG	FBG	fibre bragg grating
acr:FDT FDT functional dependency table acr:FE FE finite element		FCM	
acr:FE FE finite element		FDM	finite difference method
	acr:FDT	FDT	functional dependency table
acr:FEA FEA finite element analysis	acr:FE	FE	finite element
			· · · · · · · · · · · · · · · · · · ·
acr:FEM FEM finite element method			
acr:FFA FFA fast Fourier analysis			· · · · · · · · · · · · · · · · · · ·
	acr:FFT	FFT	fast Fourier transform
	acr:FGM	FGM	functionally graded materials
acr:FFT FFT fast Fourier transform			
	· -		√ O

acr:FHC	$_{ m FHC}$	filled hole compression		
acr:FML	FML	fibre metal laminate		
acr:FMU	FMU	functional mock-up unit		
acr:FOM	FOM	figure of merit		
acr:FOSS	FOSS	free and open-source software		
acr:FOT	FOT	fibre-optical temperature		
acr:FPD	FPD	formalised process description		
acr:FPF	FPF	first ply failure		
acr:FRF	FRF	frequency response function		
acr:FRP	FRP	fiber reinforced plastic		
acr:FSDT	FSDT	first-order shear deformation theory		
acr:FSI	FSI	fluid-structure interaction		
acr:FSW	FSW	friction stir welding		
acr:FTE	FTE	full time equivalent		
acr:FTF	FTF	flap track faring		
acr:FTI	FTI	flight test installation		
acr:FTIR	FTIR	Fourier transform infrared spectoscropy		
acr:FV	FV	finite volume		
acr:FVC	FVC	fibre volume content		
acr:FVM	FVM	finite volume method		
acr:GA	GA	genetic algorithm		
acr:GCI	GCI	grid convergence index		
acr:GFEM	GFEM	global finite element model		
acr:GIFAS	GIFAS	groupement des industries françaises aéronautiques		
		et spatiales		
acr:GLARE	GLARE	glass laminate aluminum reinforced epoxy		
acr:GPL	GPL	GNU General Public License		
acr:GSE	GSE	ground support equipment		
acr:GUI	GUI	graphical user interface		
acr:HW	$\mathrm{H/W}$	$\mathrm{hot/wet}$		
acr:HDF5	HDF5	hierarchical data format		
acr:HFEC	$_{ m HFEC}$	high frequency eddy current		
acr:HM	$_{ m HM}$	high modulus		
acr:HMS	$_{ m HMS}$	high modulus/high strength		
acr:HPC	HPC	high performance computing		
acr:HSB	HSB	Handbuch Struktur Berechnung		
acr:HST	HST	high failure strain		
acr:HT	HT 	high tenacity		
acr:HTP	HTP	horizontal tail plane		
a arvIO	Ι/Ω	input and output		
acr:IO acr:IAB	$_{ m IAB}^{ m I/O}$	input and output		
aCL:IAD	IAD	industrial advisory board		

acr:IAQG	IAQG	international aerospace quality group		
acr:IAS	IAS	indicated air speed		
acr:ICAO	ICAO	international civil aviation organization		
acr:IDE	IDE	integrated development environment		
acr:IEEE	IEEE	institute of electrical and electronics engineers		
acr:IFF	IFF	inter fibre failure		
acr:IFSS	$_{\rm IFSS}$	interfacial shear strength		
acr:IGA	IGA	isogeometric analysis		
acr:IITRI	IITRI	Illinois institute of technology research institute		
acr:ILSS	ILSS	interlaminar shear strength		
acr:IM	IM	intermediate modulus		
acr:IPO	IPO	input-process-output		
acr:IPS	IPS	individual product specification		
acr:IR	$_{ m IR}$	infrared		
acr:ISO	ISO	international organization for standardization		
acr:IT	IT	information technology		
acr:JAA	JAA	joint aviation authorities		
acr:JAR	$_{ m JAR}$	joint aviation requirements		
acr:jCoMoT	jCoMoT	Java computational mechanics format translator		
acr:JIS	$_{ m JIS}$	Japan industrial standard		
$\operatorname{acr:jMeS}$	${ m jMeS}$	Java mechanics suite		
acr:JSON	$_{ m JSON}$	JavaScript object notation		
acr:JVM	JVM	Java virtual machine		
NDE	LDE			
acr:KDF	KDF	knock-down factor		
acr:KPI	KPI	key performance indicator		
acr:LCA	LCA	life cycle assessment		
acr:LCM	$_{ m LCM}$	liquid composite moulding		
acr:LDS	LDS	life data sheet		
acr:LEF	LEF	load eleviation factor		
acr:LEFM	$_{ m LEFM}$	linear-elastic fracture mechanics		
acr:LES	LES	large eddy simulation		
acr:LL	${ m LL}$	limit load		
acr:LPF	LPF	last ply failure		
acr:LPS	$_{ m LPS}$	linear peridynamic solid		
acr:LSP	LSP	lightning strike protection		
acr:LVI	LVI	low-velocity impact		
MAG	3 T A C	1 1 1		
acr:MAC	MAC	mean aerodynamic chord		
acr:MAE	MAE	mean absolute error		
acr:MBS	MBS	multibody simulation		
acr:MBSE	MBSE	model-based systems engineering		

acr:MDA	MDA	multi-disciplinary analysis		
acr:MDAO	MDAO	multi-disciplinary analysis and optimization		
acr:MDO	MDO	multi-disciplinary optimization		
acr:MES	MES	manufacturing execution system		
acr:MiniTED	$\operatorname{Mini-TED}$	mini trailing edge device		
acr:MITC	MITC	mixed interpolation of tensorial components		
acr:ML	ML	machine learning		
acr:MLG	MLG	main landing gear		
acr:MMB	MMB	mixed-mode bending		
acr:MMFD	MMFD	modified method of feasible direction		
acr:MMS	MMS	method of manufactured solutions		
acr:MoC	MoC	means of compliance		
acr:MOR	MOR	model order reduction		
acr:MoS	MoS	margin of safety		
acr:MPC	MPC	multi-point constraint		
acr:MPD	MPD	maintenance planning document		
acr:MPI	MPI	message passing interface		
acr:MPM	MPM	material point method		
acr:MRL	MRL	manufacturing readiness level		
acr:MRO	MRO	maintenance, repair and overhaul		
acr:MTOW	MTOW	maximum take-off weight		
acr:MVI	MVI	modified vacuum infusion process		
acr:MWE	MWE	manufacturing weight empty		
acr:MZFW	MZFW	maximum zero fuel weight		
NTA CA	NIAGA			
acr:NASA	NASA	national aeronautics and space administration		
acr:NAV	NAV	numeical algorithm verification		
acr:NCF	NCF	non-crimp fabric		
acr:NDA	NDA	non-disclosure agreement		
acr:NDI	NDI	non-destructive inspection		
acr:NDT	NDT	non-destructive testing		
acr:NF	NF	normes françaises		
acr:NFC	NFC	near filed communication		
acr:NGO	NGO	non-gradient based optimization		
acr:NLG	NLG	nose landing gear		
acr:NRC	NRC	non-recurring cost		
acr:NSB	NSB	non-ordinary state-based		
acr:NSB-PD	NSB-PD	non-ordinary state-based peridynamics		
acr:NSGAII	NSGAII	non-dominated sorting genetic algorithm II		
acr:NVH	NVH	noise, vibration harshness		
acr:OA	OA	open access		
acr:ODE	ODE	ordinary differential equation		
acr:OEM	OEM	original equipment manufacturer		
501.0 11.1	0.1111	O od arbitratio monator		

acr:OHC	ОНС	open hole compression		
acr:OHT	OHT	open hole tension		
acr:OLB	OLB	over-leg bending		
acr:OLP	OLP	offline programming		
acr:ONF	ONF	over-notched flexure		
acr:OOA	OOA	out-of-autoclave		
acr:OSB	OSB	ordinary state-based		
acr:OSB-PD	OSB-PD	ordinary state-based peridynamics		
acr:PaP	P&P	P&P		
acr:PCMM	PCMM	predictive capability maturity model		
acr:PD	PD	peridynamic		
acr:PDE	PDE	partial differential equation		
acr:PDF	PDF	probability density function		
acr:PDM	PDM	product data management		
acr:PDR	PDR	preliminary design review		
acr:PEEK	PEEK	polyetheretherketon		
acr:PEI	PEI	polyetherimid		
acr:PENF	PENF	prestressed end-notched flexure		
acr:PF	PF	progressive failure		
acr:PFST	PFST	picture frame shear test		
acr:PI	PΙ	polyimid		
acr:PICM	PICM	particle-in-cell method		
acr:PIRT	PIRT	phenomena identification and ranking table		
acr:PLB	PLB	pin loaded bearing		
acr:PLM	PLM	product lifecycle management		
acr:PLT	PLT	pin loaded tension		
acr:PMC	PMC	polymer matrix composite		
acr:PO	РО	Pareto optimal		
acr:POJO	POJO	plain old Java object		
acr:prEN	prEN	preliminary european norm		
acr:PSCB	PSCB	prestressed split cantilever beam		
acr:PSE	PSE	principal structural element		
acr:PSO	PSO	particle swarm optimisation		
acr:QA	QA	quality assurance		
acr:QI	QI	quasi-isotropic		
acr:QM	$_{\mathrm{QM}}$	quality management		
acr:QMS	QMS	quality management system		
acr:QOI	QOI	quantity of interest		
acr:RaD	R&D	research and development		
acr:RANS	RANS	Reynolds averaged Navior-Stokes		
acr:RAR	RAR	requirement allocation review		
	_ 52 2 2 5	1		

acr:RBF	RBF	radial basis function		
acr:RC	RC	recurring cost		
acr:RCE	RCE	remote component environment		
acr:RF	RF	reserve factor		
acr:RFI	RFI	resin film infusion		
acr:RFID	RFID	radio frequency identification		
acr:RFLP	RFLP	requirement, functional, logical and physical		
acr:RMS	RMS	risk mitigation structure		
acr:RMSE	RMSE	root mean squared error		
acr:ROM	ROM	reduced order modeling		
acr:RPB	RPB	rear pressure bulkhead		
acr:RPK	RPK	revenue passenger kilometers		
acr:RRSE	RRSE	root relative squared error		
acr:RSE	RSE	relative squared error		
acr:RT	RT	room temperature		
acr:RTCA	RTCA	radio technical commission for aeronautics		
acr:RTM	RTM	resin transfer molding		
acr:RVE	RVE	representative volume element		
		•		
acr:SACMA	SACMA	suppliers of advanced composite materials associa-		
		tion		
acr:SAE	SAE	society of automotive engineers		
acr:SAI	SAI	shear after impact		
acr:SAM	SAM	space allocation model		
acr:SB-PD	$\operatorname{SB-PD}$	state-based peridynamics		
acr:SBW	$_{ m SBW}$	strut-braced wing		
acr:SC	SC	steering committee		
acr:SCB2	SCB	single cantilever beam		
acr:SCB	SCB	split cantilever beam		
acr:SCM2	SCM	source code management		
acr:SCM	SCM	supply chain management		
acr:SDM	SDM	simulation data management		
acr:SEM	SEM	scanning electron microscopy		
acr:SENB	SENB	single-edge-notched bend		
acr:SERR	SERR	strain energy release rate		
acr:SHM	$_{ m SHM}$	structural health monitoring		
acr:SLB	SLB	single leg bending		
acr:SLFPB	SLFPB	single-leg four point bending		
acr:SLJ	SLJ	single lap joint		
acr:SLP	SLP	sequential linear programming		
acr:SMA	SMA	shape memory alloy		
acr:SMART	SMART	specific, measurable, achievable, reasonable, time-		
	-	bound		
acr:SMT	SMT	shear-moment-torque		
		÷		

acr:SoC	SoC	separation of concerns		
acr:SOFF	SOFF	säkerhets- och försvarsföretagen		
acr:SPDM	SPDM	simulation process & data management		
acr:SPDR	SPDR	system preliminary design review		
acr:SPH	SPH	smoothed particle hydrodynamics		
acr:SQA	SQA	software quality assurance		
acr:SQE	SQE	software quality engineering		
acr:SQP	SQP	sequential quadratic programming		
acr:SRM:SACMA	SRM	SACMA recommended methods		
acr:SRM	SRM	structural repair manual		
acr:SRR	SRR	system requirement review		
acr:SSD		v -		
	SSD	steady state dynamics		
acr:STC	STC	supplemental type certificate		
acr:STOVL	STOVL	short take-off vertical landing		
acr:SVD	SVD	singular value decomposition		
acr:SVM	SVM	support vector machines		
acr:TAI	TAI	tension after impact		
acr:TAS	$\overline{\mathrm{TAS}}$	true air speed		
acr:TC	TC	thermocouple		
acr:TDCB	TDCB	tapered double cantilever beam		
acr:TED	TED	trailing edge device		
acr:TEDAE	TEDAE	asociación Española de tecnologías de defensa,		
act. TEDME	TEDILE	aeronáutica y espacio		
acr:TFP	TFP	tailored fibre placement		
acr:TGA	TGA	thermo-gravimetric analysis		
acr:TLAR	TLAR	top-level aircraft requirement		
acr:TMA	TMA	thermo-mechanical analysis		
acr:TRL	TRL	technology readiness level		
acr:TSDT	TSDT	third-order shear deformation theory		
		·		
acr:UAV	UAV	unmanned aerial vehicle		
acr:UD	${ m UD}$	${ m unidirectional}$		
acr:UHM	$_{ m UHM}$	ultra high modulus		
acr:UID	UID	unique identifier		
acr:UL	UL	ultimate load		
acr:UML	UML	unified modeling language		
acr:US	$_{ m US}$	ultrasonic		
acr:UUID	UUID	universally unique identifier		
acr:UV	UV	ultraviolet		
37.37	T 7 0 T 7			
acr:VaV	V&V	verification & validation		
acr:VAP	VAP	vacuum-assisted process		
acr:VARI	VARI	vacuum-assisted resin infusion		

acr:VARTM	VARTM	vacuum-assisted resin transfer molding	
acr:VCCT	VCCT	CT virtual crack closure technique	
acr:VCS	VCS	version control system	
acr:VCT	VCT	vibration correlation technique	
acr:VID	VID	visible impact damage	
acr:VPE	VPE	virtual product engineering	
acr:VPH	VPH	Virtual Product House	
acr:VT	VT	virtual testing	
acr:VTOL	VTOL	vertical take-off and landing	
acr:VTP	VTP	vertical tail plane	
acr:W3C	W3C	world wide web consortium	
acr:WORA	WORA	write once, run anywhere	
		1 1	
acr:WP	WP	work package	
acr:WP	WP	work package	
acr:WP	WP XDMF	work package eXtensible data model and format	
		. 0	
acr:XDMF	XDMF	eXtensible data model and format	
acr:XDMF acr:XDSM	XDMF XDSM	eXtensible data model and format extended design structure matrix	
acr:XDMF acr:XDSM acr:XFEM	XDMF XDSM XFEM	eXtensible data model and format extended design structure matrix extended finite element method	
acr:XDMF acr:XDSM acr:XFEM acr:XML	XDMF XDSM XFEM XML	eXtensible data model and format extended design structure matrix extended finite element method extensible markup language	

B. All glossary entries

Glossary

Label	Entry	Description	Sources
glo:allowable	allowable	Material values that are determined from	[1]
		test data at the lam-	
		inate or lamina level	
		on a probability ba-	
		sis (e.g., A or B ba-	
		sis values, with 99%	
		probability and 95%	
		confidence, or 90%	
		probability and 95%	
		confidence, respec-	
		tively). The amount	
		of data required to	
		derive these values is	
		governed by the sta-	
		tistical significance	
1 ADI	A D.I	(or basis) needed.	
glo:API	API	An Application	
		Programming Inter-	
		face is a particular set of rules and	
		specifications that	
		a software program	
		can follow to access	
		and make use of	
		the services and re-	
		sources provided by	
		another particular	
		software program	
		that implements	
		that API	

glo:calibration	Calibration	The process of adjusting physical modelling parameters in the computational model to improve agreement with experimental data.	[2]
glo:adequacy	calibration	The condition of satisfying all requirements for model acceptance, including those for model accuracy and for programmatic constraints such as implementation, cost, maintenance, and ease of use.	[3]
glo:calculation:verification	calibration	The process of determining the solution accuracy of a particular calculation	[3]
glo:calibration:experiment	calibration experiment	An experiment performed to improve estimates of some parameters in the mathematical model.	[3]
glo:code	code	The computer implementation of algorithms developed to facilitate the formulation and approximate solution of a class of problems.	[3]

glo:component	${ m component}$	A major section of the airframe struc- ture (e.g., wing, body, fin, horizontal stabilizer) which can be tested as a com- plete unit to qualify the structure.	[1]
glo:model:conceptual	conceptual model	The process of determining that the numerical algorithms are correctly implemented in the computer code and of identifying errors in the software.	[3]
glo:coupon	coupon	A small test specimen (e.g., usually a flat laminate) for evaluation of basic lamina or laminate properties or properties of generic structural features (e.g., bonded or mechanically fastened joints).	[1]
glo:damage	${ m damage}$	A structural anomaly caused by manufacturing (processing, fabrication, assembly or handling) or service usage.	[1]

glo:delamination	delamination	The separation of the layers of material in a laminate. This may be local or may cover a large area of the laminate. It may occur at any time in the cure or subsequent life of the laminate and may arise from a wide variety	[1]
glo:design:values	design values	tural elements, and structural detail properties that have been determined from test data and chosen to assure a high degree of confidence in the integrity of the completed structure. These values are most often based on allowables adjusted to account for actual structural conditions, and used in analysis to compute	[1]
glo:detail	detail	margins-of-safety. A non-generic structural element of a more complex structural member (e.g., specific design configured joints, splices, stringers, stringer runouts, or major access heles)	[1]

major access holes).

glo:disbond	detail	An area within a bonded interface between two adherends in which an adhesion failure or separation has occurred. It may occur at any time during the life of the substructure and may arise from a wide variety of causes. Also, colloquially, an area of separation between two laminae in the finished laminate (in this case, the term "delamination" is normally preferred).
glo:DTO	DTO	An object that carries data between processes in order to reduce the number of method calls.
glo:element	element	A generic element [1] of a more complex structural member (e.g., skin, stringers, shear panels, sandwich panels, joints, or splices).

glo:environment environment

External, nonaccidental conditions (excluding mechanical loading), separately or in combination, that can be expected in service and which affect the may structure (e.g., temperature, moisture, UV radiation, and fuel).

[1]

The Material Point Method is an alternative to pure Lagrangian proaches and is well suited to problems involving very large deformations. the method, equilibrium computations take place on a background grid but the calculations are based on information (mass, volume, stress, state variables, etc.) held at material points that are convected through the background grid as the $_{
m material}$ deforms. This allows computations to take place on an undisbackground torted mesh (structured orunstructured) whilst modelling problems involving very large deformations. One way to summarise the material point method is: a finite element method where the integration points (material points) are allowed to move independently of the mesh.

glo:simulation	Simulation	The ensemble of models - deterministic, load, boundary, material, performance, and uncertainty - that are exercised to produce a simulation outcome.	[6]
glo:bonding:structural	structural bonding	A structural joint created by the process of adhesive bonding, comprising of one or more previously-cured composite or metal parts (referred to as adherends)	[1]
glo:bond:weak	Weak bond	A bond line with mechanical properties lower than expected, but without any possibility to detect that by normal NDI procedures. Such situation is mainly due to a poor chemical bonding.	[1]

C. All symbols

Scalars

Label	\mathbf{Symbol}
sym:scalar:csys:material:component:1	1
sym:scalar:csys:material:component:2	2
sym:scalar:csys:material:component:3	3
sym:scalar:acceleration	a
sym:scalar:load:bodyforce	b
sym:scalar:pd:bond:constant	c
sym:scalar:geo:diameter	d
sym:scalar:pd:bond:elongation	e
sym:scalar:thickness	h
sym:scalar:geo:r1:length	l
sym:scalar:mass	m
sym:scalar:pd:volume:weighted	m_V
sym:scalar:pd:stretch	s
sym:scalar:pd:stretch:critical	s_C
sym:scalar:time	t
sym:scalar:timestep	Δt
sym:scalar:displacement	u
sym: scalar: displacement: component: global: x	u_x
sym: scalar: displacement: component: global: y	u_y
sym: scalar: displacement: component: global: z	u_z
sym:scalar:velocity	v
sym:scalar:pd:bond:energy:potential	w
sym: scalar: csys: structure: global: component: 1	x
sym: scalar: csys: structure: local: component: 1	\hat{x}
sym: scalar: csys: structure: global: component: 2	y
sym: scalar: csys: structure: local: component: 2	\hat{y}
sym: scalar: csys: structure: global: component: 3	z
sym: scalar: csys: structure: local: component: 3	\hat{z}
sym: scalar: scalar romannull	
sym:scalar:geo:r2:surface	A
sym: scalar: mech: tensor: component: stiffness	C
sym:scalar:mat:modulus:young	E
sym:scalar:load:force	F
sym: scalar: mat: modulus: shear	G
sym:scalar:mat:energyreleaserate	G_0

sym:scalar:mat:energyreleaserate:critical	G_{0C}
sym:scalar:mat:energyreleaserate:mode:I	G_I
sym:scalar:mat:energyreleaserate:critical:mode:I	G_{IC}
sym:scalar:mat:energyreleaserate:mode:II	G_{II}
sym:scalar:mat:energyreleaserate:critical:mode:II	G_{IIC}
sym:scalar:pd:family	\mathcal{H}
sym:scalar:mat:modulus:bulk	K
sym:scalar:load:moment	M
sym:scalar:fe:shapefunction	N
sym:scalar:mat:strength	R
sym:scalar:system:euclidean	\mathbb{R}
sym:scalar:temperature	T
sym:scalar:geo:r3:volume	V
sym:scalar:mech:energy:strain:density	$\overset{\prime}{W}$
sym-scarar-meen-energy-strain-density	**
sym:scalar:pd:function:damage:bond	χ
sym:scalar:pd:horizon	δ
sym:scalar:geo:separation	δ_c
sym:scalar:mech:strain:normal:engineering	arepsilon
sym:scalar:mech:strain:tensor:component	ϵ
sym:scalar:csys:natural:component:2	η
sym:scalar:mech:strain:shear:engineering	$\overset{\cdot}{\gamma}$
sym:scalar:mat:poissonratio	$\stackrel{'}{ u}$
sym:scalar:domain:partial	ω
sym:scalar:pd:function:influence	ω
sym:scalar:pd:function:influence:radial	$\omega_{\mathcal{E}}$
sym:scalar:pd:function:damage:family	arphi
sym:scalar:rotation	$\overset{\prime}{\psi}$
sym:scalar:mat:density	$\stackrel{'}{ ho}$
sym:scalar:mech:stress:normal:engineering	σ
sym:scalar:mech:stress:shear:engineering	au
sym:scalar:pd:dilatation	heta
sym:scalar:geo:angle:debonding	$ heta_c$
sym:scalar:csys:natural:component:1	
sym:scalar:pd:bond:undeformed:component	Ĕ
sym:scalar:csys:natural:component:3	ξ ξ
sym:scalar:scalargreeknull	3
sym:scalar:discretization:distance:node	Δx
sym:scalar:domain:boundary	Γ
sym:scalar:domain	Ω
	u <i>u</i>

Vectors

Label	\mathbf{Symbol}
sym:vector:pd:bond:deformed	η
sym:vector:pd:bond:undeformed	ξ
sym:vector:load:bodyforce	b
sym:vector:unit	\mathbf{e}
sym:vector:pd:force	${f f}$
sym:vector:mech:strain	arepsilon
sym:vector:mech:stress:cauchy	σ
sym:vector:pd:bondforcedensity	${f t}$
sym:vector:mech:deformation	u
sym:vector:mech:acceleration	ü
sym:vector:mech:velocity	ù
sym:vector:position:undeformed	\mathbf{x}
sym:vector:position:deformed	\mathbf{y}

Matrices & Tensors

Label	\mathbf{Symbol}
sym:matrix:laminate:membrane	${f A}$
sym:matrix:laminate:coupling	\mathbf{B}
sym:matrix:mat:stiffness	${f C}$
sym:matrix:mech:tensor:stiffness	\mathbf{K}
sym:matrix:laminate:bending	\mathbf{D}
sym:matrix:mech:strain:green	${f E}$
sym:matrix:mech:gradient:deformation	${f F}$
sym:matrix:laminate:shear	\mathbf{H}
sym:matrix:mech:gradient:displacement	\mathbf{H}
sym:matrix:identity	${f I}$
sym:matrix:interpolationoperator	\mathbf{I}_{Γ}
sym:matrix:jacobian	J
sym:matrix:mech:tensor:shape	K
sym:matrix:stiffness	\mathbf{K}
sym:matrix:mass	${f M}$
sym:matrix:mech:stress:piolakirchhoff:first	P
sym:matrix:laminate:ply:stiffness	${f Q}$
sym:matrix:mat:compliance	\mathbf{S}
sym:matrix:mech:stress:piolakirchhoff:second	\mathbf{S}

States

Label	\mathbf{Symbol}
sym:state:scalar:influence	$\underline{\omega}$
sym:state:scalar:extension	\underline{e}
sym:state:scalar:force	\underline{t}
sym: state: scalar: position: undeformed	\underline{x}
sym: state: scalar: position: deformed	\underline{y}
sym:state:scalar:stateromannull	_
sym:state:vector:force	$\underline{\mathbf{T}}$
sym:state:vector:direction:deformed	$\underline{\mathbf{M}}$
sym:state:vector:position	$\underline{\mathbf{X}}$
sym:state:vector:deformation	$\underline{\mathbf{Y}}$
sym:state:vector:stateromannull	
sym:state:double:modulus	$\underline{\mathbb{K}}$

Indices

Label	Symbol
sym:index:zero	0
sym:index:csys:material:component:1	1
sym:index:csys:material:component:2	2
sym:index:csys:material:component:3	3
sym:index:csys:material:components	1, 2, 3
sym:index:csys:natural:component:1	ξ
sym: index: csys: natural: component: 2	η
sym: index: csys: natural: component: 3	ζ
sym: index: csys: natural: components	ξ,η,ζ
sym:index:hardening	H
sym:index:csys:structure:component:1	x
sym: index: csys: structure: component: 2	y
sym: index: csys: structure: component: 3	z
sym: index: csys: structure: components	x,y,z
sym:index:mat:damage:mode:I	I
sym:index:mat:damage:mode:II	II

sym:index:mat:damage:mode:III	III
sym:index:load:compression	\mathbf{C}
sym:index:load:compression:long	cmp
sym:index:critical	C
sym:index:init	init
sym:index:load:shear	\mathbf{S}
sym:index:load:shear:long	shr
sym:index:load:tension	${ m T}$
sym:index:load:tension:long	ten
sym:index:yield	У

Exponents

Label	\mathbf{Symbol}
sym:exponent:midplane	0
sym:exponent:deviatoric	d
sym:exponent:elastic	e
sym:exponent:linear	l
sym: exponent: nonlinear	nl
$\operatorname{sym:exponent:plastic}$	p
sym:exponent:volumetric	v

Operators

Label	Symbol
	^
sym:operator:csys:local	
sym:operator:csys:material	(_)
sym:operator:Delta	$\Delta(\)$
${\bf sym:} operator: differential: Newton$	()
sym: operator: differential: Newton: 2	(")
${\bf sym:} operator: differential: partial: short$	$(\)_{,x}$
sym: operator: differential: Euler	D()
${\bf sym:} operator: differential: Lagrange$	()'

sym: operator: differential: Leibnitz	d()
sym:operator:differential:partial	$\partial(\)$
sym:operator:divergence	$\operatorname{div}(\)$
sym:operator:product:dot	•
sym:operator:kroneckerdelta	δ_{ij}
sym:operator:matrix:inverse	$(\)^{-1}$
sym:operator:matrix:transpose	$(\)^T$
sym:operator:mean	$\overline{(\)}$
sym:operator:derivative:frechet	abla(
sym:operator:norm	$\ (\)\ $
sym:operator:product:tensor	\otimes

D. The code

D.1. stmglossaries.sty

```
2 % Header
4 %
5\, % This file includes the common LaTeX
6 % glossaries definitions
7 % (acronyms, glossaries, symbols)
8 % for structural mechanics
9 % Based upon the glossaries package:
10 % https://ctan.org/pkg/glossaries
11 %
12 % Usage
13 % - Preamble:
14 % - \usepackage{stmglossaries}
15 % - \makeglossaries
16 % - Document: e.g. (Adapt to your type of glossary item)
17 % - \printglossary[type=\acronymtype] or
18 % - \printglossary[type=\acronymtype,nonumberlist]
19 % - Compilation: e.g. (Adapt to your type of glossary item)
20 % - makeindex -s [MYTEXFILENAME].ist -o [MYTEXFILENAME].acr [
     MYTEXFILENAME].acn
21 %
22 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
23 %
                       Initial draft
24 %
25 % Contact: Martin Raedel, martin.raedel@dlr.de
26 %
             DLR Lightweight Systems
27 %
28 %
                               __/|__
29 %
                              /_/_/_/
30 %
                               |/ DLR
             www.dlr.de/sy/en
31 %
32 % Copyright (C) 2019-... DLR Lightweight Systems
33 %
35 % Content
37
38 % Declare that this style file requires at least LaTeX version 2e.
39 \NeedsTeXFormat{LaTeX2e}
```

```
40
41 % Provide the name of your page, the date it was last updated, and a
                     comment about what it's used for
42 \ProvidesPackage{stmglossaries}[2023/02/12 STMs custom LaTeX glossaries
                     definitions]
43
44 % -----
45 % Options
46 % -----
47
48 % For options
49 \ensuremath{\mbox{\sc original}{\mbox{\sc original}{\sc original}{\mbox{\sc original}{\sc o
50
51 \SetupKeyvalOptions{%
52
                family=stmglossaries,%
53
                prefix=stmglossaries@,%
54
                setkeys=\kvsetkeys,%
55 }
56
57 % Acronyms
58 \DeclareBoolOption[true] {acronyms}
59
60 % Acronyms
61 \DeclareBoolOption[false]{glossary}
62
63 % Symbols
64 \DeclareBoolOption[true] {symbols}
65
66 % Load items
67 \DeclareBoolOption[true] {items}
68
69 % Load styles
70 \DeclareBoolOption[true] {styles}
71
72 % Load commands
73 \DeclareBoolOption[true] {commands}
74
75 % Load morewrites
76 \DeclareBoolOption[true] {morewrites}
77
78 % Load morewrites
79 \DeclareBoolOption[true] {makeglossaries}
80
81 % Automatically add the corresponding glossary entry to the acronym
```

```
82
   \DeclareBoolOption[false] {autoaddglossaryentrytoacronym}
83
84 % Add a link from the acronym to the glossary entry
85 \DeclareBoolOption[false] {linkacronymtoglossary}
86
87 % Process options
88 \ProcessKeyvalOptions{stmglossaries}
89
90 % -----
91 % Load the base package
92 % -----
93
94 % If not loaded in advance, load the glossaries package with some default
95
   \@ifpackageloaded{stmglossariesbase}{}{\RequirePackage{stmglossariesbase}
       }}%
96
97 % -----
98 % Modules 1
99 % newglossary can only be used before makeglossaries
100 % -----
101
102 % Load morewrites
103 \@ifpackageloaded{morewrites}{}{\%
     \ifstmglossaries@morewrites%
104
105
       \RequirePackage{morewrites}%
106
     \fi%
107 }%
108
109 % Load the symbols
   \ifstmglossaries@symbols
110
      \@ifpackageloaded{stmglossariessymbols}{}{%
111
112
       \RequirePackage[%
113
         commands={\ifstmglossaries@commands true\else false\fi},%
114
         items={\ifstmglossaries@items true\else false\fi},%
115
         styles={\ifstmglossaries@styles true\else false\fi},%
116
       ]{stmglossariessymbols}%
     }%
117
118
   \fi
119
120 % -----
121 % Makeglossaries command
122 % -----
123
```

```
124
    \ifstmglossaries@makeglossaries
125
      \@ifpackageloaded{etoolbox}{}{%
126
        \RequirePackage{etoolbox}
127
128
129
      % May not be at \AtEndPreamble in case the original implementation of "
       see" key in glossaryentry definition is used.
130
      \AtEndPreamble{%
131
        \makeglossaries%
132
133 \fi
134
135 % -----
136 % Modules 2
137 % -----
138
139 % Load the glossary
   \ifstmglossaries@glossary
140
      \@ifpackageloaded{stmglossariesglossary}{}{\%
141
142
        \RequirePackage[%
143
          commands={\ifstmglossaries@commands true\else false\fi},%
144
          items={\ifstmglossaries@items true\else false\fi},%
145
          styles={\ifstmglossaries@styles true\else false\fi},%
146
        ]{stmglossariesglossary}%
147
      }%
148 \fi
149
150 % Load the acronyms
151 \ifstmglossaries@acronyms
      \@ifpackageloaded{stmglossariesacronyms}{}{\%
152
153
        \RequirePackage[%
154
          commands={\ifstmglossaries@commands true\else false\fi},%
155
          items={\ifstmglossaries@items true\else false\fi},%
156
          styles={\ifstmglossaries@styles true\else false\fi},%
157
          autoaddglossaryentry={\
       ifstmglossaries@autoaddglossaryentrytoacronym true\else false\fi},%
158
          linktoglossary={\ifstmglossaries@linkacronymtoglossary true\else
       false\fi},%
159
        ]{stmglossariesacronyms}%
160
      }%
161
   \fi
162
164 % That's it
```

D.2. stmglossariesbase.sty

```
2 % Header
4 %
5 % This file includes the common LaTeX
6 % symbol definitions
7 % for structural mechanics
8
9 % It can be used independently if only
10 % symbols are necessary or bundled in
11 % stmglossaries.sty
12 %
13 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
14 %
                     Initial draft
15 %
16 % Contact: Martin Raedel, martin.raedel@dlr.de
17 %
            DLR Lightweight Systems
18 %
19 %
                             __/|__
20 %
                            /_/_/_/
21 %
             www.dlr.de/sy/en
                             |/ DLR
22 %
23 % Copyright (C) 2019-... DLR Lightweight Systems
24 %
26 % Usage
28 %
29 % Symbols-Glossary
30 %
31 % Compilation:
32 %
33 % %S - main tex source file name
34 %
35 % without any helpers:
36 %
```

```
37 %
      pdflatex %S.tex
38 %
      makeindex -s %S.ist -t %S.slg1 -o %S.syi1 %S.syg1
39 %
      makeindex -s %S.ist -t %S.slg2 -o %S.syi2 %S.syg2
41 %
     pdflatex %S.tex
42 %
      pdflatex %S.tex
43 %
44 % with perl interpreter installation
45 %
46 %
    pdflatex %S.tex
47 % makeglossaries %S
48 %
     pdflatex %S
49 %
    pdflatex %S
50 %
51 % with LuaLaTeX
52 %
53 %
     makeglossaries-lite doc
54 %
56 % Requirements
58
59 % Declare that this style file requires at least LaTeX version 2e.
60 \NeedsTeXFormat{LaTeX2e}
61
62 % Provide the name of your page, the date it was last updated, and a
      comment about what it's used for
  \ProvidesPackage{stmglossariesbase}[2023/02/12 STMs custom LaTeX base
      glossaries definitions]
64
65 % If not loaded in advance, load the glossaries package with some default
       options
  \@ifpackageloaded{glossaries}{}{%
66
67
    \RequirePackage[%
68
      acronym, % create a list of acronyms
69
               % do not use the main glossary
70
               % add glossary titles to table of contents
71
    ]{glossaries}[=v4.49]%
72 }%
73
75 % That's it
77
```

78 \endinput

D.3. stmglossariesacronyms.sty

```
2 % Header
3
4 %
5 % This file includes the common LaTeX
6 % acronyms definitions
7 % for structural mechanics
8 % Based upon the glossaries package:
9 % https://ctan.org/pkg/glossaries
10 %
11 % Usage
12 % - Preamble:
13 %
      - \usepackage{stmglossariesacronyms}
14 %
      - \makeglossaries
15 % - Document: e.g. (Adapt to your type of glossary item)
16 %
      - \printglossary[type=\acronymtype] or
17 %
      - \printglossary[type=\acronymtype,nonumberlist]
18 % - Compilation: e.g. (Adapt to your type of glossary item)
19
  " - makeindex -s [MYTEXFILENAME].ist -o [MYTEXFILENAME].acr [
     MYTEXFILENAME].acn
20 %
21 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
22 %
                      Initial draft
23 %
24 % Contact: Martin Raedel, martin.raedel@dlr.de
25 %
             DLR Lightweight Systems
26 %
27 %
                               __/|__
28 %
                              /_/_/_/
29 %
             www.dlr.de/sy/en
                               / DLR
30 %
31 % Copyright (C) 2019-... DLR Lightweight Systems
32 %
34 % Content
37 % Declare that this style file requires at least LaTeX version 2e.
38 \NeedsTeXFormat{LaTeX2e}
39
```

```
40\, % Provide the name of your page, the date it was last updated, and a
       comment about what it's used for
   \ProvidesPackage{stmglossariesacronyms}[2023/02/12 STMs custom LaTeX
41
       acronym definitions]
42
43 % If not loaded in advance, load the glossaries package with some default
   \@ifpackageloaded{stmglossariesbase}{}{\RequirePackage{stmglossariesbase}
44
       }}%
45
46 % -----
47 % Options
48 % -----
49
50 % For options
51 \ensuremath{\mbox{\sc of packageloaded{kvoptions}}} \ensuremath{\mbox{\sc heavy}} \ensuremath{\mbox{\sc heavy}} \ensuremath{\mbox{\sc of package{kvoptions}}} \ensuremath{\mbox{\sc heavy}}
52
53 \SetupKeyvalOptions{%
54
     family=stmglossariesacronyms,%
     prefix=stmglossariesacronyms@,%
55
56
     setkeys=\kvsetkeys,%
57 }
58
59 % Load styles
60 \DeclareBoolOption[true] {commands}
61
62 % Load styles
63 \DeclareBoolOption[true] {items}
64
65 % Load styles
66 \DeclareBoolOption[true] {styles}
67
68 % Automatically add the corresponding glossary entry to the acronym
69 \DeclareBoolOption[false] {autoaddglossaryentry}
70
71 % Add a link from the acronym to the glossary entry
72 \DeclareBoolOption[false] {linktoglossary}
73
74 % Process options
75 \ProcessKeyvalOptions{stmglossariesacronyms}
76
77 % -----
78 % Modules
79 % -----
```

```
80
81 % Load the items
82 \ifstmglossariesacronyms@items%
83
      \@ifpackageloaded{stmglossariesacronymsitems}{}{\%
84
       \RequirePackage[%
85
         autoaddglossaryentry={\ifstmglossariesacronyms@autoaddglossaryentry
        true\else false\fi},%
86
         linktoglossary={\ifstmglossariesacronyms@linktoglossary true\else
       false\fi},%
87
       ]{stmglossariesacronymsitems}%
88
     }%
89 \fi%
90
91 % Load the styles
92 \ifstmglossariesacronyms@styles
93
      \Oifpackageloaded{stmglossariesacronymsstyles}{}{\RequirePackage{
       stmglossariesacronymsstyles}}
94
   \fi
95
96 % Load the print commands
97 \ifstmglossariesacronyms@commands%
98
      \@ifpackageloaded{stmglossariesacronymscommands}{}{\%
99
        \RequirePackage{stmglossariesacronymscommands}%
100
     }%
101
   \fi
102
104 % That's it
106
107 % Finally, we'll use \endinput to indicate that LaTeX can stop reading
       this file. LaTeX will ignore anything after this line.
108 \endinput
```

D.4. stmglossariesacronymscommands.sty

```
9 % It can be used independently if only
10 % symbols are necessary or bundled in
11 % stmglossaries.sty
13 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
14 %
                     Initial draft
15 %
16 % Contact: Martin Raedel, martin.raedel@dlr.de
17 %
            DLR Lightweight Systems
18 %
19 %
                              __/|__
20 %
                             /_/_/_/
21 %
                             |/ DLR
             www.dlr.de/sy/en
22 %
23 % Copyright (C) 2019-... DLR Lightweight Systems
24 %
26 % Content
28
29 % Declare that this style file requires at least LaTeX version 2e.
30 \NeedsTeXFormat{LaTeX2e}
31
32 % Provide the name of your page, the date it was last updated, and a
     comment about what it's used for
33 \ProvidesPackage{stmglossariesacronymscommands}[2023/02/12 STMs custom
     LaTeX acronym commands]
34
35 % -----
36 % Commands
37 % -----
38
39 \newcommand{\printstmacronyms} {\printglossary[type=\acronymtype,
     style=stmacronymstyle ,nonumberlist]}
40
42 % That's it
44
45 \endinput
```

D.5. stmglossariesacronymsstyles.sty

```
2 % Header
4 %
5 % This file includes the common LaTeX
6 % acronym style definitions
7 % (acronyms, glossaries, symbols)
8 % for structural mechanics
9 %
10 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
11 %
                      Initial draft
12 %
13 % Contact: Martin Raedel, martin.raedel@dlr.de
14 %
            DLR Lightweight Systems
15 %
16 %
                              __/|__
17 %
                              /_/_/_/
18 %
                             |/ DLR
             www.dlr.de/sy/en
19 %
20 % Copyright (C) 2019-... DLR Lightweight Systems
21 %
23 % Content
26\, % Declare that this style file requires at least LaTeX version 2e.
27 \NeedsTeXFormat{LaTeX2e}
28
29 % Provide the name of your page, the date it was last updated, and a
      comment about what it's used for
  \ProvidesPackage{stmglossariesacronymsstyles}[2023/02/12 STMs custom
30
      LaTeX acronyms style definitions]
31
32 % If not loaded in advance, load the glossaries package with some default
      options
  \@ifpackageloaded{stmglossariesbase}{}{\RequirePackage{stmglossariesbase}
33
      }}%
34
35 %
36 \@ifpackageloaded{xltabular}{}{\RequirePackage{xltabular}}
37
39 % Functionality
41
```

```
43 % Redefine package options
46 %Den Punkt am Ende jeder Beschreibung deaktivieren
47 \renewcommand*{\glspostdescription}{}
48 % \renewcommand*{\glspostdescription}{\dotfill}
49
51 % Own styles
53
54 % -----
55 % Acronym-styles
56 % -----
57
58 \newglossarystyle{stmacronymstyle}{%
59
     \renewenvironment{theglossary}%
60
      {\xltabular[1]{\linewidth}{1X}}%
61
      {\endxltabular}%
    % Header line
62
63
     \renewcommand*{\glossaryheader}{%
      %\textbf{Label} & \textbf{Symbol}
64
65
      \tabularnewline%
66
      \tabularnewline%
67
    }%
     % indicate what to do at the start of each logical group
68
69
     %\renewcommand*{\glsgroupheading}[1]{}%
     %\renewcommand*{\glsgroupskip}{}% What to do between groups
70
    \renewcommand*{\glsgroupskip}{\tabularnewline}% What to do between
71
      groups
72
     \renewcommand*{\glossaryentryfield}[5]{%
73
      \glsentryitem{##1}\glstarget{##1}{##2}
        & ##3\glspostdescription ##5% Description
74
75
      \tabularnewline%
     }
76
77
78
79
   \newglossarystyle{stmacronymnogroupskipstyle}{%
     \renewenvironment{theglossary}%
80
81
      {\xltabular[1]{\linewidth}{1X}}%
82
      {\endxltabular}%
83
     % Header line
     \renewcommand*{\glossaryheader}{%
84
```

```
85
        %\textbf{Label} & \textbf{Symbol}
86
        \tabularnewline%
87
        \tabularnewline%
88
      }%
89
      % indicate what to do at the start of each logical group
90
      %\renewcommand*{\glsgroupheading}[1]{}%
91
      %\renewcommand*{\glsgroupskip}{}% What to do between groups
92
      \renewcommand*{\glsgroupskip}{}% What to do between groups
93
      \renewcommand*{\glossaryentryfield}[5]{%
        \glsentryitem{##1}\glstarget{##1}{##2}
94
95
          & ##3\glspostdescription ##5% Description
96
        \tabularnewline%
97
98 }
99
100 % Style for usage in papers with:
101 % - header line: no
102 % - initial empty lines: none
103 % - group heading: none
104 % - group skip: no
105 % - columns: 1
106 % - indent of first column: no
107 \newglossarystyle{stmacronympaperstyle}{%
108
      \renewenvironment{theglossary}%
109
        {\xltabular[1] {\linewidth} {@{}1X}}%
110
        {\endxltabular}%
111
      % Header line
112
      \verb|\renewcommand*{\glossaryheader}{%}|
        %\textbf{Label} & \textbf{Symbol}
113
        %\tabularnewline%
114
115
      }%
116
      % indicate what to do at the start of each logical group
117
      %\renewcommand*{\glsgroupheading}[1]{}%
      \renewcommand*{\glsgroupskip}{}% What to do between groups
118
      \renewcommand*{\glossaryentryfield}[5]{%
119
120
        \glsentryitem{##1}\glstarget{##1}{##2}
121
          & ##3\glspostdescription ##5% Description
122
        \tabularnewline%
123
124 }
125
126 % -----
127 % Style to show the keys
128 % -----
```

```
129
130
    \newglossarystyle{stmacronymlabelstyle}{%
131
      \renewenvironment{theglossary}%
132
        {\xltabular[l]{\linewidth}{lcX}}%
133
        {\endxltabular}%
134
      % Header line
135
      \renewcommand*{\glossaryheader}{%
136
        \textbf{Label} & \textbf{Acronym} & \textbf{Description}
137
        \tabularnewline%
138
        \tabularnewline%
139
      }%
140
      % indicate what to do at the start of each logical group
      %\renewcommand*{\glsgroupheading}[1]{}%
141
142
      %\renewcommand*{\glsgroupskip}{}% What to do between groups
143
      \renewcommand*{\glsgroupskip}{\tabularnewline}% What to do between
       groups
144
      \renewcommand*{\glossaryentryfield}[5]{%
145
        \glsentrycounterlabel{##1} &%
146
        \glsentryitem{##1}\glstarget{##1}{##2}&%
147
        ##3\glspostdescription ##5% Description
        \tabularnewline%
148
149
      }
150 }
151
153 % That's it
155
156 % Finally, we'll use \endinput to indicate that LaTeX can stop reading
       this file. LaTeX will ignore anything after this line.
157 \endinput
```

D.6. stmglossariesglossary.sty

```
11 % Usage
12 % - Preamble:
13 % - \usepackage{stmglossariesglossary}
       - \makeglossaries
15 % - Document: e.g. (Adapt to your type of glossary item)
16 % - \printglossary[type=main] or
17 %
      - \printglossary[type=main,nonumberlist]
18 % - Compilation: e.g. (Adapt to your type of glossary item)
19 %
      - makeindex -s [MYTEXFILENAME].ist -o [MYTEXFILENAME].acr [
      MYTEXFILENAME].acn
20 %
21 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
22 %
                         Initial draft
23 %
24 % Contact: Martin Raedel, martin.raedel@dlr.de
25 %
              DLR Lightweight Systems
26 %
27 %
                                  __/|__
28 %
                                 /_/_/_/
29 %
                                  |/ DLR
               www.dlr.de/sy/en
30 %
31 % Copyright (C) 2019-... DLR Lightweight Systems
32 %
34 % Content
36
37\, % Declare that this style file requires at least LaTeX version 2e.
38 \NeedsTeXFormat{LaTeX2e}
39
40 % Provide the name of your page, the date it was last updated, and a
      comment about what it's used for
  \ProvidesPackage{stmglossariesglossary}[2023/02/12 STMs custom LaTeX
41
      glossary definitions]
42
43 % If not loaded in advance, load the glossaries package with some default
   \@ifpackageloaded{stmglossariesbase}{}{\RequirePackage{stmglossariesbase}
44
      }}%
45
46
47 % Options
48 % -----
49
```

```
50 % For options
51 \ensuremath{\mbox{\sc offpackageloaded{kvoptions}}} \ensuremath{\mbox{\sc homology}} \ensurema
52
53 % Option family
54 \SetupKeyvalOptions{%
               family=stmglossariesglossary,%
56
               prefix=stmglossariesglossary@,%
57
                setkeys=\kvsetkeys,%
58 }
59
60 % Load styles
61 \DeclareBoolOption[true] {commands}
62
63 % Load styles
64 \DeclareBoolOption[true] {items}
65
66 % Load styles
67 \DeclareBoolOption[true] {styles}
68
69 % Process options
70 \ProcessKeyvalOptions{stmglossariesglossary}
71
72 % -----
73 % Modules
74 % -----
75
76 % Load the items
77 \ifstmglossariesglossary@items
               \Oifpackageloaded{stmglossariesglossaryitems}{}{\RequirePackage{
                    stmglossariesglossaryitems}}
79 \fi
80
81 % Load the styles
82 \ifstmglossariesglossary@styles
83
               \@ifpackageloaded{stmglossariesglossarystyles}{}{\RequirePackage{
                    stmglossariesglossarystyles}}
84 \fi
85
86 % Load the print commands
87 \ifstmglossariesglossary@commands%
88
                \@ifpackageloaded{stmglossariesglossarycommands}{}{\%
89
                     \RequirePackage{stmglossariesglossarycommands}%
90
               }%
91 \fi
```

D.7. stmglossariesglossarycommands.sty

```
2 % Header
4 %
5 % This file includes the common command shortcuts
6 % for acronyms and glossaries
7 % for structural mechanics
8 %
9 % It can be used independently if only
10 % symbols are necessary or bundled in
11 % stmglossaries.sty
12 %
13 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
14 %
                      Initial draft
15 %
16 % Contact: Martin Raedel, martin.raedel@dlr.de
17 %
            DLR Lightweight Systems
18 %
19 %
                              __/|__
20 %
                             /_/_/_/
21 %
                              |/ DLR
             www.dlr.de/sy/en
23 % Copyright (C) 2019-... DLR Lightweight Systems
24 %
26 % Content
29 % Declare that this style file requires at least LaTeX version 2e.
30 \NeedsTeXFormat{LaTeX2e}
31
32 % Provide the name of your page, the date it was last updated, and a
   comment about what it's used for
```

```
\ProvidesPackage{stmglossariesglossarycommands}[2023/02/12 STMs custom
     LaTeX glossary commands]
34
35 % -----
36 % Commands
37 % -----
38
39 \newcommand{\printstmglossary}
                            {\printglossary[type=main,style=
     stmglossarystyle ,nonumberlist]}
40
42 % That's it
44
45 \endinput
```

D.8. stmglossariesglossarystyles.sty

```
2 % Header
                            %
4 %
5 % This file includes the common LaTeX
6 % glossary style definitions
7 % (glossary, glossaries, symbols)
8 % for structural mechanics
9 %
10 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
11 %
                   Initial draft
12 %
13 % Contact: Martin Raedel, martin.raedel@dlr.de
14 %
           DLR Lightweight Systems
15 %
16 %
                           __/|__
17 %
                           /_/_/_/
18 %
           www.dlr.de/sy/en
                           / DLR
19 %
20 % Copyright (C) 2019-... DLR Lightweight Systems
21 %
23 % Content
25
26 % Declare that this style file requires at least LaTeX version 2e.
```

```
27
  \NeedsTeXFormat{LaTeX2e}
28
29 % Provide the name of your page, the date it was last updated, and a
     comment about what it's used for
30 \ProvidesPackage{stmglossariesglossarystyles}[2023/02/12 STMs custom
     LaTeX glossary style definitions]
31
32 % If not loaded in advance, load the glossaries package with some default
33
  \@ifpackageloaded{stmglossariesbase}{}{\RequirePackage{stmglossariesbase
     }}%
34
35
36 \@ifpackageloaded{xltabular}{}{\RequirePackage{xltabular}}
37
38 %
39 \@ifpackageloaded{stmbibliography}{}{\RequirePackage{stmbibliography}}%
40 \quad \verb|\addbibresource{stmglossariesglossarysources.bib}|
41
43 % Functionality
                               %
45
47 % Redefine package options
49
50 %Den Punkt am Ende jeder Beschreibung deaktivieren
51 \renewcommand*{\glspostdescription}{}
52 % \renewcommand*{\glspostdescription}{\dotfill}
53
55 % Own styles
57
58 % -----
59 % glossary-styles
60 % -----
61
62 \newglossarystyle{stmglossarystyle}{\%
    \renewenvironment{theglossary}%
63
64
      {\xltabular[1]{\linewidth}{1X}}%
65
      {\endxltabular}%
   % Header line
66
```

```
67
      \renewcommand*{\glossaryheader}{%
68
        %\textbf{Entry} & \textbf{Symbol}
69
        \tabularnewline%
        \tabularnewline%
70
71
        %\endhead%
72
        %\endfoot%
73
74
      % indicate what to do at the start of each logical group
      %\renewcommand*{\glsgroupheading}[1]{}% Group heading
75
      \renewcommand*{\glsgroupskip}{\tabularnewline}% What to do between
76
        groups
77
      \renewcommand*{\glossaryentryfield}[5]{%
        \glsentryitem{##1}\glstarget{##1}{##2}
78
79
          & ##3\glspostdescription ##5% Description
80
        \tabularnewline%
81
82
83
84 % -----
85 % Style to show entries with sources
86 % -----
87
    \newglossarystyle{stmglossarysourcestyle}{%
88
      \renewenvironment{theglossary}%
89
90
        {\xltabular[1]{\linewidth}{1Xc}}%
        {\endxltabular}%
91
      % Header line
92
93
      \verb|\renewcommand*{\glossaryheader}{%}|
        %\textbf{Entry} & \textbf{Symbol} & \textbf{Sources}
94
95
        \tabularnewline%
96
        \tabularnewline%
97
        %\endhead%
98
        %\endfoot%
99
      }%
100
      % indicate what to do at the start of each logical group
      %\renewcommand*{\glsgroupheading}[1]{}% Group heading
101
102
      \renewcommand*{\glsgroupskip}{\tabularnewline}% What to do between
        groups
103
      \renewcommand*{\glossaryentryfield}[5]{%
104
        \glsentryitem{##1}\glstarget{##1}{##2} &%
105
                    ##3\glspostdescription ##5 &%
106
        \tabularnewline%
107
                    \ifglshasfield{useri}{##1}{\space%
108
          % in the event of multiple cites, \glsentryuseri{##1} needs to be
```

```
expanded before being passed to \cite.
          \glsletentryfield{\thiscite}{##1}{useri}%
109
110
          \expandafter\cite\expandafter{\thiscite}%
111
                    }{}%
112
      }
113 }
114
115 % -----
116 % Style to show the keys
117 % -----
118
119 \newglossarystyle{stmglossarylabelstyle}{%
120
      \renewenvironment{theglossary}%
121
        {\xltabular[1]{\linewidth}{lcX}}%
122
        {\endxltabular}%
      % Header line
123
124
      \renewcommand*{\glossaryheader}{%
125
        \textbf{Label} & \textbf{Entry} & \textbf{Description}
126
        \tabularnewline%
127
        \tabularnewline%
128
        %\endhead%
129
        %\endfoot%
130
      }%
131
      % indicate what to do at the start of each logical group
132
      %\renewcommand*{\glsgroupheading}[1]{}%
      %\renewcommand*{\glsgroupskip}{}% What to do between groups
133
134
      \renewcommand*{\glsgroupskip}{\tabularnewline}% What to do between
        groups
135
      \renewcommand*{\glossaryentryfield}[5]{%
136
        \glsentrycounterlabel{##1} &%
137
        \glsentryitem{##1}\glstarget{##1}{##2}&%
138
        ##3\glspostdescription ##5% Description
139
        \tabularnewline%
140
141 }
142
143 % -----
144 % Style to show the keys with sources
145 % -----
146
147
    \newglossarystyle{stmglossarylabelsourcestyle}{%
      \renewenvironment{theglossary}%
148
149
        {\xltabular[1]{\linewidth}{lcXc}}%
150
        {\endxltabular}%
```

```
151
      % Header line
152
      \renewcommand*{\glossaryheader}{%
153
        \textbf{Label} & \textbf{Entry} & \textbf{Description} & \textbf{
       Sources }
154
        \tabularnewline%
155
        \tabularnewline%
156
        %\endhead%
157
        %\endfoot%
158
      }%
159
      % indicate what to do at the start of each logical group
160
      %\renewcommand*{\glsgroupheading}[1]{}%
161
      %\renewcommand*{\glsgroupskip}{}% What to do between groups
      \renewcommand*{\glsgroupskip}{\tabularnewline}% What to do between
162
       groups
163
      \renewcommand*{\glossaryentryfield}[5]{%
164
        \glsentrycounterlabel{##1} &%
165
        \glsentryitem{##1}\glstarget{##1}{##2}&%
166
        ##3\glspostdescription ##5&%
167
                   \ifglshasfield{useri}{##1}{\space%
168
          % in the event of multiple cites, \glsentryuseri{##1} needs to be
       expanded before being passed to \cite.
169
          \glsletentryfield{\thiscite}{##1}{useri}%
170
          \expandafter\cite\expandafter{\thiscite}
171
                   }{}%
172
        %\space ##2%
173
        \tabularnewline%
174
      }
175 }
176
178 % That's it
180
181 % Finally, we'll use \endinput to indicate that LaTeX can stop reading
       this file. LaTeX will ignore anything after this line.
182 \endinput
```

D.9. stmglossariessymbols.sty

```
6 % symbols definitions
7 % (acronyms, glossaries, symbols)
8 % for structural mechanics
9 % Based upon the glossaries package:
10 % https://ctan.org/pkg/glossaries
11 %
12 % Usage
13 % - Preamble:
14 %
       - \usepackage{stmglossaries}
15 %
       - \makeglossaries
16 % - Document: e.g. (Adapt to your type of glossary item)
17 %
       - \printglossary[type=\acronymtype] or
18 %
       - \printglossary[type=\acronymtype,nonumberlist]
19 % - Compilation: e.g. (Adapt to your type of glossary item)
20 % - makeindex -s [MYTEXFILENAME].ist -o [MYTEXFILENAME].acr [
      MYTEXFILENAME].acn
21 %
22 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
23 %
                         Initial draft
24 %
25 % Contact: Martin Raedel, martin.raedel@dlr.de
26 %
               DLR Lightweight Systems
27 %
28 %
                                  __/|__
29 %
                                 /_/_/_/
30 %
              www.dlr.de/sy/en
                                  I/ DLR
31 %
32 % Copyright (C) 2019-... DLR Lightweight Systems
33 %
35 % Content
37
38\, % Declare that this style file requires at least LaTeX version 2e.
39 \NeedsTeXFormat{LaTeX2e}
40
41 % Provide the name of your page, the date it was last updated, and a
      comment about what it's used for
42 \ProvidesPackage{stmglossariessymbols}[2023/02/12 STMs custom LaTeX
      symbol definitions]
43
44 % If not loaded in advance, load the glossaries package with some default
       options
45 \@ifpackageloaded{stmglossariesbase}{}{\RequirePackage{stmglossariesbase
```

```
}}%
46
47 % -----
48 % Options
49 % -----
50
51 % For options
52 \ensuremath{\mbox{\sc NequirePackage}}{\mbox{\sc NequirePackage}}\%
53
54 % Option family
55 \SetupKeyvalOptions{%
56
     family=stmglossariessymbols, %
57
     prefix=stmglossariessymbols@,%
58
     setkeys=\kvsetkeys,%
59 }
60
61 % Load commands
62 \DeclareBoolOption[true] {commands}
63
64 % Load styles
65 \DeclareBoolOption[true] {items}
66
67 % Load styles
68 \DeclareBoolOption[true] {styles}
69
70 % Process options
71 \ProcessKeyvalOptions{stmglossariessymbols}
72
73 % -----
74 % Modules
75 % -----
76
77 % Load the items
78 \ifstmglossariessymbols@items
79
     \@ifpackageloaded{stmglossariessymbolsitems}{}{\RequirePackage{
      stmglossariessymbolsitems}}
80
  \fi
81
82 % Load the styles
83 \ifstmglossariessymbols@styles
     \Oifpackageloaded{stmglossariessymbolsstyles}{}{\RequirePackage{
84
      stmglossariessymbolsstyles}}
85
   \fi
86
```

D.10. stmglossariessymbolscommands.sty

```
2 % Header
4 %
5\, % This file includes the common LaTeX
6 % symbol commands definitions
7 % for structural mechanics
9 % It can be used independently if only
10 % symbols are necessary or bundled in
11 % stmglossaries.sty
12 %
13 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
14 %
                    Initial draft
15 %
16 % Contact: Martin Raedel, martin.raedel@dlr.de
17 %
           DLR Lightweight Systems
18 %
19 %
                            __/|__
20 %
                           /_/_/_/
                            / DLR
21 %
            www.dlr.de/sy/en
22 %
23 % Copyright (C) 2019-... DLR Lightweight Systems
24 %
26 % Usage
28
```

```
29 % Declare that this style file requires at least LaTeX version 2e.
30 \NeedsTeXFormat{LaTeX2e}
31
32 % Provide the name of your page, the date it was last updated, and a
      comment about what it's used for
  \ProvidesPackage{stmglossariessymbolscommands}[2023/02/12 STMs custom
      LaTeX symbol command definitions]
34
35
36
  \@ifpackageloaded{stmglossariessymbolsitems}{}{\RequirePackage{
      stmglossariessymbolsitems}}%
37
39 % Commands
41
42 % -----
43 % Shortcuts
44 % -----
45
46 \ \mbox{newcommand{\csyslocal}[1]{}}
47
     %The symbol
48
     \ensuremath{\hat{#1}}%
     %Add the operator to the list
49
     \glsadd{sym:operator:csys:local}%
50
51 }
52
53 \newcommand{\csysmaterial}[1]{%
    %The symbol
54
     \ensuremath{\bar{#1}}%
55
     %Add the operator to the list
56
57
     \glsadd{sym:operator:csys:material}%
58 }
59
60 \newcommand{\difference}[1]{%
61
     %The symbol
62
     \ensuremath{\glssymbol{sym:operator:Delta}#1}%
63 }
64
65 \ \mbox{\em newcommand{\em derivative}[1]{}}
66
     %The symbol
67
     \ensuremath{\glssymbol{sym:operator:dif}#1}%
68
     %Add the operator to the list
     \glsadd{sym:operator:dif}%
69
```

```
70 }
71
72 \newcommand{\timederivativeshort}[1]{%
73
      %The symbol
74
      \ensuremath{\dot{#1}}%
      %Add the operator to the list
75
76
      \glsadd{sym:operator:dif:short:time}%
77 }
78
79 \newcommand{\timederivativeshorttwo}[1]{\%
80
      %The symbol
81
      \ensuremath{\ddot{#1}}%
82
      %Add the operator to the list
83
      \glsadd{sym:operator:dif:short:time:2}%
84 }
85
86 \ \mbox{newcommand{\mean}[1]{}}
87
      %The symbol
88
      \ensuremath{\overline{#1}}%
89
      %Add the operator to the list
90
      \glsadd{sym:operator:mean}%
91 }
92
93 \newcommand{\norm}[1]{\%}
94
      %The symbol
95
      \ensuremath{\glssymbol{sym:operator:norm:left}#1\glssymbol{sym:operator
        :norm:right}}%
96
      %Add the operator to the list
97
      \glsadd{sym:operator:norm}%
98 }
99
100 \newcommand{\transpose}[1]{\%
      \ensuremath{#1^{\glssymbol{sym:operator:matrix:transpose}}}%
101
102 }
103
104
    \newcommand{\inverse}[1]{%
105
      \ensuremath{#1^{\glssymbol{sym:operator:matrix:inverse}}}%
106 }
107
108 \newcommand{\partialderivativeshort}[2]{\%
109
      %The symbol
110
      \ensuremath{#1_{,#2}}%
111
      %Add the operator to the list
112
      \glsadd{sym:operator:differential:partial:short}%
```

```
113 }
114
115
116 % Printing
117
118
119
    \newcommand{\printstmscalarglossary} {\printglossary[type=scalarlist
       style=stmsymbolstyle ,nonumberlist]}
120
    \newcommand{\printstmvectorglossary} {\printglossary[type=vectorlist
       style=stmsymbolstyle ,nonumberlist]}
121
    \newcommand{\printstmmatrixglossary} {\printglossary[type=matrixlist
       style=stmsymbolstyle ,nonumberlist]}
122
    \newcommand{\printstmstateglossary}
                                        {\printglossary[type=statelist
       style=stmsymbolstyle ,nonumberlist]}
123
    \newcommand{\printstmindexglossary}
                                        {\printglossary[type=indexlist
       style=stmsymbolstyle ,nonumberlist]}
124
    \newcommand{\printstmexponentglossary}{\printglossary[type=exponentlist,
       style=stmsymbolstyle ,nonumberlist]}
125
    \newcommand{\printstmoperatorglossary}{\printglossary[type=operatorlist,
       style=stmoperatorstyle,nonumberlist]}
126
127
    \newcommand{\printallstmsymbols}{\%
128
      \printstmscalarglossary%
129
      \printstmvectorglossary%
130
      \printstmmatrixglossary%
131
      \printstmstateglossary%
132
      \printstmindexglossary%
133
      \printstmexponentglossary%
134
      \printstmoperatorglossary%
135 }
136
138 % That's it
140
141 \endinput
```

D.11. stmglossariessymbolstyles.sty

```
6 % glossaries style definitions
7 % (acronyms, glossaries, symbols)
8 % for structural mechanics
10 % Revisions: 2019-10-27 Martin Raedel <martin.raedel@dlr.de>
                      Initial draft
11 %
12 %
13 % Contact: Martin Raedel, martin.raedel@dlr.de
14 %
             DLR Lightweight Systems
15 %
16 %
                               __/|__
17 %
                              /_/_/_/
18 %
                               |/ DLR
             www.dlr.de/sy/en
19 %
20 % Copyright (C) 2019-... DLR Lightweight Systems
21 %
23 % Content
25
26 % Declare that this style file requires at least LaTeX version 2e.
27 \NeedsTeXFormat{LaTeX2e}
28
29 % Provide the name of your page, the date it was last updated, and a
      comment about what it's used for
30 \ProvidesPackage{stmglossariessymbolsstyles}[2023/02/12 STMs custom LaTeX
      glossaries style definitions]
31
32
  % Now paste your code from the preamble here
33
34 % If not loaded in advance, load the glossaries package with some default
      options
  \@ifpackageloaded{stmglossariesbase}{}{\RequirePackage{stmglossariesbase}
35
      }}%
36
37 %
38 \@ifpackageloaded{xltabular}{}{\RequirePackage{xltabular}}
39 \@ifpackageloaded{multicol}{}{\RequirePackage{multicol}}%
40
42 % Functionality
44
```

```
46 % Redefine package options
48
49 %Den Punkt am Ende jeder Beschreibung deaktivieren
50 \renewcommand*{\glspostdescription}{}
51 % \renewcommand*{\glspostdescription}{\dotfill}
52
54 % Own styles
56
57 % -----
58 % Coordinate-system style
59 % -----
60
61 %\newglossarystyle{mycoordinatesystemstyle}{%
62 % %\renewcommand{\glossarysection}[2][]{}% no title
63 % \renewcommand*{\glsclearpage}{}% avoid page break before glossary
64 % \renewenvironment{theglossary}%
65 %
       {\begin{longtabu} to \linewidth {cX}}%
66 %
       {\end{longtabu}}%
67 % % Header line
68 % \renewcommand*{\glossaryheader}{%
69 %
      % Requires booktabs
70 %
      %\toprule%
71 %
      \textbf{Symbol} & \textbf{Description}%
72 %
      \tabularnewline%
73 %
      \tabularnewline%
74 %
      %\midrule%
75 %
      \endhead%
76 %
       %\bottomrule%
77 % \endfoot%
78 % }%
79 % % indicate what to do at the start of each logical group
80 % %\renewcommand*{\glsgroupheading}[1]{}%
81 % %\renewcommand*{\glsgroupskip}{}% What to do between groups
82 % \renewcommand*{\glsgroupskip}{\tabularnewline}% What to do between
      groups
83 % \renewcommand*{\glossentry}[1]{%
84 %
      \glsentryitem{##1}% Entry number if required
85 %
       \glstarget{##1}{\glossentrysymbol{##1}} &
86 %
       %\glossentrysymbol{##1} & % Symbol
87 %
       %\glossentryname{##1}
                             & % Name
88 % \glossentrydesc{##1} %& % Description
```

```
%\glsentryuseri{##1}%
                               % Unit in User1-Variable
90 % \tabularnewline%
91 % }%
92 %}
93
94 % -----
95 % Symbols-styles
96 % -----
97
98 \ \ensuremath{\mbox{\sc Newglossarystyle}{stmsymbolstyle}}{\%}
99
      %\renewcommand{\glossarysection}[2][]{}% no title
100
      \renewcommand*{\glsclearpage}{}% avoid page break before glossary
      \renewenvironment{theglossary}%
101
102
        %{\begin{longtabu} to \linewidth {clX}}%c}}%
103
        %{\end{longtabu}}%
        %{\begin{longtblr}{colspec = {clX}, width = \linewidth}}%
104
105
        %{\end{longtblr}}%
106
        {\xlinewidth}{clX}}%
107
        {\endxltabular}%
108
        %{\begin{tabular}{cllc}}%
109
        %{\end{tabular}}%
110
      % Header line
      \renewcommand*{\glossaryheader}{%
111
        \textbf{Symbol} & \textbf{Name} & \textbf{Description}%
112
113
        \tabularnewline%
        \tabularnewline%
114
115
        %\\%
116
        %\\%
        %\endhead%
117
118
        %\endfoot%
119
      }%
120
      % What to do between groups
121
      \renewcommand*{\glsgroupskip}{\tabularnewline}
      % How the entry looks like
122
      \renewcommand*{\glossentry}[1]{%
123
124
        \glsentryitem{##1}% Entry number if required
        \glstarget{##1}{\glossentrysymbol{##1}} &
125
126
        %\glossentrysymbol{##1}
                                  &% Symbol
127
        \glossentryname{##1} &% Name
128
        \glossentrydesc{##1}%&% Description
129
        %\glsentryuseri{##1}%
                                % Unit in User1-Variable
        \tabularnewline%
130
131
      }%
132 }
```

```
133
134 % -----
135
    % Symbols-styles for papers
136
      % -----
137
138
      \newglossarystyle{stmonecolpapersymbolstyle}{\%
139
        %\renewcommand{\glossarysection}[2][]{}% no title
140
        \renewcommand*{\glsclearpage}{}% avoid page break before glossary
        \renewenvironment{theglossary}%
141
142
          %{\begin{longtabu} to \linewidth {clXcl}}%c}}%
143
          %{\end{longtabu}}%
144
          {\xltabular[1]{\linewidth}{clXcl}}%
145
          {\endxltabular}%
146
        % Header line
147
        \renewcommand*{\glossaryheader}{}%
148
        % indicate what to do at the start of each logical group
        %\renewcommand*{\glsgroupheading}[1]{}
149
150
        % What to do between groups -> no skip
151
        \renewcommand*{\glsgroupskip}{}
152
        % How the entry looks like
153
        \renewcommand*{\glossentry}[1]{
154
          \glsentryitem{##1}% Entry number if required
          \glstarget{##1}{\glossentrysymbol{##1}} & % Symbol
155
                                     %& % Name
156
           \glossentryname{##1}
157
          \tabularnewline%
158
        }%
159
160
161
    % https://tex.stackexchange.com/a/216434/44634
162 % needs: \usepackage{multicol}
163
    \newglossarystyle{stmtwocolpapersymbolstyle}{%
164
      %\renewcommand{\glossarysection}[2][]{}% no title
165
      \renewenvironment{theglossary}%
        {\begin{multicols}{2}\raggedright}
166
        {\end{multicols}}
167
      % Header line
168
169
      \renewcommand*{\glossaryheader}{}%
170
      \renewcommand*{\glsgroupheading}[1]{}% indicate what to do at the start
         of each logical group
171
      \renewcommand*{\glsgroupskip}{}% What to do between groups -> no skip
172
      \renewcommand*{\glsclearpage}{}% avoid page break before glossary
      % set how each entry should appear:
173
174
      \renewcommand*{\glossentry}[2]{
175
        \noindent\makebox[2.5em][c]{\glstarget{##1}{\glossentrysymbol{##1}}}%
```

```
Symbol
176
        \glossentryname{##1}% Name
177
        \newline
178
179 }
180
181 % -----
182 % Exponent-styles
183 % -----
184
185
    \newglossarystyle{stmexponentstyle}{%
186
      %\renewcommand{\glossarysection}[2][]{}% no title
187
      \renewcommand*{\glsclearpage}{}% avoid page break before glossary
188
      \renewenvironment{theglossary}%
189
        {\xltabular[1]}{\xltabular[1]}{\xltabular[1]}
190
        {\endxltabular}%
191
      % Header line
192
      \renewcommand*{\glossaryheader}{%
193
        \mbox{\mbox{$\mbol}$} \& \mbol} \& \mbox{\mbonly} 
194
        \tabularnewline%
195
        \tabularnewline%
196
197
      % What to do between groups
198
      \renewcommand*{\glsgroupskip}{\tabularnewline}
199
      % How the entry looks like
      \renewcommand*{\glossentry}[1]{%
200
201
        \glsentryitem{##1}% Entry number if required
202
        \protect\ensuremath{\protect\left(\protect\phantom{a}\protect\right)}
203
        \glstarget{##1}{\protect\ensuremath{\protect\vphantom{a}^{\
        glossentrysymbol{##1}}} &
204
        \glossentrydesc{##1}% Description
205
        \tabularnewline%
206
      }%
207 }
208
209 % -----
210 % Index-styles
211 % -----
212
213
    \newglossarystyle{stmindexstyle}{%
      %\renewcommand{\glossarysection}[2][]{}% no title
214
215
      \renewcommand*{\glsclearpage}{}% avoid page break before glossary
216
      \renewenvironment{theglossary}%
```

```
217
        {\xltabular[1] {\linewidth}{@{\ \ }r@{}lX}}%
218
        {\endxltabular}%
      % Header line
219
220
      \renewcommand*{\glossaryheader}{%
221
        \mbox{\mbox{$\mbol}$} \& \mbol} \& \mbox{\mbonly} 
222
        \tabularnewline%
223
        \tabularnewline%
224
      }%
225
      % What to do between groups
226
      \renewcommand*{\glsgroupskip}{\tabularnewline}
227
      % How the entry looks like
228
      \renewcommand*{\glossentry}[1]{%
229
        \glsentryitem{##1}% Entry number if required
        \protect\ensuremath{\protect\left(\protect\phantom{a}\protect\right)}
230
231
        \glstarget{##1}{\protect\ensuremath{\protect\vphantom{a}_{\}}
        glossentrysymbol{##1}}} &%
232
        \glossentrydesc{##1}% Description
233
        \tabularnewline%
234
      }%
235 }
236
237 % -----
238 % Operator style
239 % -----
240
241 \newglossarystyle{stmoperatorstyle}{%
      %\renewcommand{\glossarysection}[2][]{}% no title
242
243
      \renewcommand*{\glsclearpage}{}% avoid page break before glossary
      \renewenvironment{theglossary}%
244
        {\tilde{1}_{\tilde{0}}}
245
246
        {\endxltabular}%
247
      % Header line
248
      \renewcommand*{\glossaryheader}{%
249
        \mbox{\mbox{$\mbol}} & \mbox{\mbol} \
250
        \tabularnewline%
251
        \tabularnewline%
252
      }%
253
      % What to do between groups
254
      \renewcommand*{\glsgroupskip}{\tabularnewline}
255
      % How the entry looks like
      \renewcommand*{\glossentry}[1]{%
256
257
        \glsentryitem{##1}% Entry number if required
258
        \glsentryuseri{##1} &
```

```
259
         \glsentryuserii{##1} &
260
         \glsentryuseriii{##1} &
261
         \glossentrydesc{##1}
                                     %% % Description
262
         \tabularnewline%
263
      }%
264 }
265
266 % -----
267 % Style to show the keys
268 % -----
269
270 \verb| \newglossarystyle{stmsymbollabelstyle}{{\%}}
271
      \renewcommand*{\glsclearpage}{}% avoid page break before glossary
272
      \renewenvironment{theglossary}%
273
         {\xltabular[1]{\linewidth}{Xc}}%
         {\endxltabular}%
274
275
      % Header line
276
      \renewcommand*{\glossaryheader}{%
277
         \textbf{Label} & \textbf{Symbol}
278
         \tabularnewline%
279
         \tabularnewline%
280
281
      % What to do between groups
      \renewcommand*{\glsgroupskip}{\tabularnewline}
282
283
      % How the entry looks like
      \renewcommand*{\glossentry}[1]{%
284
285
         \glsentryitem{##1}% Entry number if required
286
         \glsentrycounterlabel{##1} &
287
         \glstarget{##1}{\glossentrysymbol{##1}}% &
288
         \tabularnewline%
289
      }%
290
291
292
    \newglossarystyle{stmoperatorlabelstyle}{%
293
       \renewcommand*{\glsclearpage}{}% avoid page break before glossary
294
       \renewenvironment{theglossary}%
295
         {%
296
           %\begingroup%
297
           %\renewcommand{\arraystretch}{1.4}%
298
           \xltabular[1]{\linewidth}{X0{\ \;}r0{\c0{\linewidth}}}
299
        }%
300
         {%
301
           \endxltabular%
302
          %\endgroup
```

```
303
        }%
304
      % Header line
305
      \renewcommand*{\glossaryheader}{%
306
        \label{label} & \multicolumn{3}{0{}c0{}}{\text{co}{}}{\text{cymbol}}\\ & \%
307
        \tabularnewline%
308
        \tabularnewline%
309
      }%
310
      % What to do between groups
      \renewcommand*{\glsgroupskip}{\tabularnewline}
311
      % How the entry looks like
312
313
      \renewcommand*{\glossentry}[1]{%
314
        \glsentryitem{##1}% Entry number if required
        \glsentrycounterlabel{##1} &
315
316
        \glsentryuseri{##1} &
317
        \glsentryuserii{##1} &
318
        \glsentryuseriii{##1}% &
319
        \tabularnewline%
320
      }%
321 }
322
323 %\newglossarystyle{stmoperatorlabelstyle}{%
324 % %\renewcommand{\glossarysection}[2][]{}% no title
325 % % avoid page break before glossary
326 % \renewcommand*{\glsclearpage}{}
327 % \renewenvironment{theglossary}%
328 %
         {%
329 %
           \begingroup%
330 %
           \renewcommand{\arraystretch}{1.4}%
331 %
           \label{longtabu} to \liminf {XQ{\ \;}rQ{}cQ{}1}
           332 %
333 %
        }%
334 %
        {%
335 %
          %\end{longtabu}
336 %
           \endxltabular%
337 %
           \endgroup
338 %
         }%
339 % % Header line
340 % \renewcommand*{\glossaryheader}{%
341 %
         \textbf{Label} \& \multicolumn{3}{0{}c0{}} {\textbf{Symbol}} % & % \\
342 %
         \tabularnewline%
343 %
         \tabularnewline%
344 %
         %\endhead%
345 %
         %\endfoot%
346 % }%
```

```
347 % % indicate what to do at the start of each logical group
348 % %\renewcommand*{\glsgroupheading}[1]{}%
349 % % What to do between groups
350 % %\renewcommand*{\glsgroupskip}{}%
351 % % What to do between groups
352 % \renewcommand*{\glsgroupskip}{\tabularnewline}
353 % \renewcommand*{\glossentry}[1]{%
354 % \glsentryitem{##1}% Entry number if required
355 %
       \glsentrycounterlabel{##1} &
356 % \glsentryuseri{##1} &
357 %
       \glsentryuserii{##1} &
358 %
       \glsentryuseriii{##1}% &
359 % \tabularnewline%
360 % }%
361 %}
362
363
365 % That's it
367
368 % Finally, we'll use \endinput to indicate that LaTeX can stop reading
       this file. LaTeX will ignore anything after this line.
369 \endinput
```