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## Volume 0: Axiom Jenks and Sutor

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## Volume 5: Axiom Interpreter

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## Volume 7: Axiom Hyperdoc

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| e04jafAnnaType (E04JAFA) . . . . .                                 | 942        |
| domain E04MBFA e04mbfAnnaType . . . . .                            | 944        |
| e04mbfAnnaType (E04MBFA) . . . . .                                 | 946        |
| domain E04NAFA e04nafAnnaType . . . . .                            | 948        |
| e04nafAnnaType (E04NAFA) . . . . .                                 | 949        |
| domain E04UCFA e04ucfAnnaType . . . . .                            | 951        |
| e04ucfAnnaType (E04UCFA) . . . . .                                 | 953        |
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| Factored (FR) . . . . .  | 972        |
| domain FILE File . . . . .   | 983        |
| File (FILE) . . . . .  | 988        |
| domain FNAME FileName . . . . .                                    | 990        |
| FileName (FNAME) . . . . .   | 997        |
| domain FDIV FiniteDivisor . . . . .                                | 998        |
| FiniteDivisor (FDIV) . . . . .                                     | 999        |
| domain FF FiniteField . . . . .                                    | 1003       |
| FiniteField (FF) . . . . .   | 1006       |
| domain FFCG FiniteFieldCyclicGroup . . . . .                       | 1008       |
| FiniteFieldCyclicGroup (FFCG) . . . . .                            | 1011       |
| domain FFCGX FiniteFieldCyclicGroupExtension . . . . .             | 1013       |
| FiniteFieldCyclicGroupExtension (FFCGX) . . . . .                  | 1016       |
| domain FFCGP FiniteFieldCyclicGroupExtensionByPolynomial . . . . . | 1018       |
| FiniteFieldCyclicGroupExtensionByPolynomial (FFCGP) . . . . .      | 1021       |
| domain FFX FiniteFieldExtension . . . . .                          | 1029       |
| FiniteFieldExtension (FFX) . . . . .                               | 1032       |
| domain FFP FiniteFieldExtensionByPolynomial . . . . .              | 1034       |
| FiniteFieldExtensionByPolynomial (FFP) . . . . .                   | 1037       |
| domain FFNB FiniteFieldNormalBasis . . . . .                       | 1043       |
| FiniteFieldNormalBasis (FFNB) . . . . .                            | 1046       |
| domain FFNBX FiniteFieldNormalBasisExtension . . . . .             | 1048       |
| FiniteFieldNormalBasisExtension (FFNBX) . . . . .                  | 1052       |
| domain FFNBP FiniteFieldNormalBasisExtensionByPolynomial . . . . . | 1054       |
| FiniteFieldNormalBasisExtensionByPolynomial (FFNBP) . . . . .      | 1058       |
| domain FARRAY FlexibleArray . . . . .                              | 1067       |
| FlexibleArray (FARRAY) . . . . .                                   | 1074       |
| domain FLOAT Float . . . . .                                       | 1076       |

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| Float (FLOAT) . . . . .                                | 1099 |
| domain FC FortranCode . . . . .                        | 1120 |
| FortranCode (FC) . . . . .                             | 1122 |
| domain FEXPR FortranExpression . . . . .               | 1135 |
| FortranExpression (FEXPR) . . . . .                    | 1138 |
| domain FORTRAN FortranProgram . . . . .                | 1145 |
| FortranProgram (FORTRAN) . . . . .                     | 1147 |
| domain FST FortranScalarType . . . . .                 | 1152 |
| FortranScalarType (FST) . . . . .                      | 1153 |
| domain FTEM FortranTemplate . . . . .                  | 1157 |
| FortranTemplate (FTEM) . . . . .                       | 1158 |
| domain FT FortranType . . . . .                        | 1160 |
| FortranType (FT) . . . . .                             | 1162 |
| domain FCOMP FourierComponent . . . . .                | 1164 |
| FourierComponent (FCOMP) . . . . .                     | 1166 |
| domain FSERIES FourierSeries . . . . .                 | 1167 |
| FourierSeries (FSERIES) . . . . .                      | 1169 |
| domain FRAC Fraction . . . . .                         | 1171 |
| Fraction (FRAC) . . . . .                              | 1179 |
| domain FRIDEAL FractionalIdeal . . . . .               | 1186 |
| FractionalIdeal (FRIDEAL) . . . . .                    | 1188 |
| domain FRMOD FramedModule . . . . .                    | 1192 |
| FramedModule (FRMOD) . . . . .                         | 1193 |
| domain FAGROUP FreeAbelianGroup . . . . .              | 1196 |
| FreeAbelianGroup (FAGROUP) . . . . .                   | 1197 |
| domain FAMONOID FreeAbelianMonoid . . . . .            | 1199 |
| FreeAbelianMonoid (FAMONOID) . . . . .                 | 1200 |
| domain FGROUPE FreeGroup . . . . .                     | 1201 |
| FreeGroup (FGROUPE) . . . . .                          | 1203 |
| domain FM FreeModule . . . . .                         | 1205 |
| FreeModule (FM) . . . . .                              | 1206 |
| domain FM1 FreeModule1 . . . . .                       | 1208 |
| FreeModule1 (FM1) . . . . .                            | 1210 |
| domain FMONOID FreeMonoid . . . . .                    | 1212 |
| FreeMonoid (FMONOID) . . . . .                         | 1214 |
| domain FNLA FreeNilpotentLie . . . . .                 | 1218 |
| FreeNilpotentLie (FNLA) . . . . .                      | 1220 |
| domain FPARFRAC FullPartialFractionExpansion . . . . . | 1223 |
| FullPartialFractionExpansion (FPARFRAC) . . . . .      | 1233 |
| domain FUNCTION FunctionCalled . . . . .               | 1237 |
| FunctionCalled (FUNCTION) . . . . .                    | 1238 |

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| <b>8 Chapter G</b>   | <b>1241</b> |
| domain GDMP GeneralDistributedMultivariatePolynomial . . . . .     | 1241        |
| GeneralDistributedMultivariatePolynomial (GDMP) . . . . .          | 1248        |
| domain GMODPOL GeneralModulePolynomial . . . . .                   | 1254        |
| GeneralModulePolynomial (GMODPOL) . . . . .                        | 1256        |
| domain GCNAALG GenericNonAssociativeAlgebra . . . . .              | 1258        |
| GenericNonAssociativeAlgebra (GCNAALG) . . . . .                   | 1261        |
| domain GPOLSET GeneralPolynomialSet . . . . .                      | 1269        |
| GeneralPolynomialSet (GPOLSET) . . . . .                           | 1271        |
| domain GSTBL GeneralSparseTable . . . . .                          | 1273        |
| GeneralSparseTable (GSTBL) . . . . .                               | 1277        |
| domain GTSET GeneralTriangularSet . . . . .                        | 1279        |
| GeneralTriangularSet (GTSET) . . . . .                             | 1281        |
| domain GSERIES GeneralUnivariatePowerSeries . . . . .              | 1285        |
| GeneralUnivariatePowerSeries (GSERIES) . . . . .                   | 1288        |
| domain GRIMAGE GraphImage . . . . .                                | 1292        |
| GraphImage (GRIMAGE) . . . . .                                     | 1293        |
| domain GOPT GuessOption . . . . .                                  | 1302        |
| GuessOption (GOPT) . . . . .                                       | 1303        |
| domain GOPT0 GuessOptionFunctions0 . . . . .                       | 1307        |
| GuessOptionFunctions0 (GOPT0) . . . . .                            | 1309        |
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| <b>9 Chapter H</b>   | <b>1315</b> |
| domain HASHTBL HashTable . . . . .                                 | 1315        |
| HashTable (HASHTBL) . . . . .                                      | 1318        |
| domain HEAP Heap . . . . .   | 1319        |
| Heap (HEAP) . . . . .  | 1332        |
| domain HEXADEC HexadecimalExpansion . . . . .                      | 1337        |
| HexadecimalExpansion (HEXADEC) . . . . .                           | 1343        |
| package HTMLFORM HTMLFormat . . . . .                              | 1346        |
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| HTMLFormat (HTMLFORM) . . . . .                                    | 1353        |
| domain HDP HomogeneousDirectProduct . . . . .                      | 1371        |
| HomogeneousDirectProduct (HDP) . . . . .                           | 1374        |
| domain HDMP HomogeneousDistributedMultivariatePolynomial . . . . . | 1375        |
| HomogeneousDistributedMultivariatePolynomial (HDMP) . . . . .      | 1382        |
| domain HELLDIV HyperellipticFiniteDivisor . . . . .                | 1384        |
| HyperellipticFiniteDivisor (HELLFDIV) . . . . .                    | 1386        |

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| domain ICP InfClsPt . . . . .   | 1391        |
| InfClsPt (ICP) . . . . .  | 1392        |
| domain ICARD IndexCard . . . . .  | 1394        |
| IndexCard (ICARD) . . . . .   | 1395        |
| domain IBITS IndexedBits . . . . .  | 1397        |
| IndexedBits (IBITS) . . . . .   | 1402        |
| domain IDPAG IndexedDirectProductAbelianGroup . . . . .                               | 1404        |
| IndexedDirectProductAbelianGroup (IDPAG) . . . . .                                    | 1406        |
| domain IDPAM IndexedDirectProductAbelianMonoid . . . . .                              | 1408        |
| IndexedDirectProductAbelianMonoid (IDPAM) . . . . .                                   | 1409        |
| domain IDPO IndexedDirectProductObject . . . . .                                      | 1411        |
| IndexedDirectProductObject (IDPO) . . . . .   | 1413        |
| domain IDPOAM IndexedDirectProductOrderedAbelianMonoid . . . . .                      | 1414        |
| IndexedDirectProductOrderedAbelianMonoid (IDPOAM) . . . . .                           | 1416        |
| domain IDPOAMS IndexedDirectProductOrderedAbelianMonoidSup . . . . .                  | 1417        |
| IndexedDirectProductOrderedAbelianMonoidSup (IDPOAMS) . . . . .                       | 1418        |
| domain INDE IndexedExponents . . . . .  | 1420        |
| IndexedExponents (INDE) . . . . .   | 1421        |
| domain IFARRAY IndexedFlexibleArray . . . . .   | 1422        |
| IndexedFlexibleArray (IFARRAY) . . . . .  | 1425        |
| domain ILIST IndexedList . . . . .  | 1431        |
| IndexedList (ILIST) . . . . .   | 1434        |
| domain IMATRIX IndexedMatrix . . . . .  | 1439        |
| IndexedMatrix (IMATRIX) . . . . .   | 1442        |
| domain IARRAY1 IndexedOneDimensionalArray . . . . .                                   | 1444        |
| IndexedOneDimensionalArray (IARRAY1) . . . . .  | 1446        |
| domain ISTRING IndexedString . . . . .  | 1449        |
| IndexedString (ISTRING) . . . . .   | 1452        |
| domain IARRAY2 IndexedTwoDimensionalArray . . . . .                                   | 1457        |
| IndexedTwoDimensionalArray (IARRAY2) . . . . .  | 1459        |
| domain IVECTOR IndexedVector . . . . .  | 1460        |
| IndexedVector (IVECTOR) . . . . .   | 1463        |
| domain ITUPLE InfiniteTuple . . . . .   | 1464        |
| InfiniteTuple (ITUPLE) . . . . .  | 1465        |
| domain INFCLSPT InfinitelyClosePoint . . . . .  | 1466        |
| InfinitelyClosePoint (INFCLSPT) . . . . .   | 1468        |
| domain INFCLSPS InfinitelyClosePointOverPseudoAlgebraicClosureOfFiniteField . . . . . | 1472        |
| InfinitelyClosePointOverPseudoAlgebraicClosureOfFiniteField (INFCLSPS) . . . . .      | 1474        |
| domain IAN InnerAlgebraicNumber . . . . .   | 1475        |
| InnerAlgebraicNumber (IAN) . . . . .  | 1478        |
| domain IFF InnerFiniteField . . . . .   | 1482        |
| InnerFiniteField (IFF) . . . . .  | 1485        |
| domain IFAMON InnerFreeAbelianMonoid . . . . .  | 1487        |
| InnerFreeAbelianMonoid (IFAMON) . . . . .   | 1488        |
| domain IIARRAY2 InnerIndexedTwoDimensionalArray . . . . .                             | 1490        |

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| InnerIndexedTwoDimensionalArray (IIARRAY2) . . . . .       | 1492        |
| domain IPADIC InnerPAdicInteger . . . . .                  | 1494        |
| InnerPAdicInteger (IPADIC) . . . . .                       | 1496        |
| domain IPF InnerPrimeField . . . . .                       | 1502        |
| InnerPrimeField (IPF) . . . . .                            | 1505        |
| domain ISUPS InnerSparseUnivariatePowerSeries . . . . .    | 1509        |
| InnerSparseUnivariatePowerSeries (ISUPS) . . . . .         | 1513        |
| domain INTABL InnerTable . . . . .                         | 1535        |
| InnerTable (INTABL) . . . . .                              | 1538        |
| domain ITAYLOR InnerTaylorSeries . . . . .                 | 1539        |
| InnerTaylorSeries (ITAYLOR) . . . . .                      | 1541        |
| domain INFORM InputForm . . . . .                          | 1544        |
| InputForm (INFORM) . . . . .                               | 1546        |
| domain INT Integer . . . . .                               | 1550        |
| Integer (INT) . . . . .                                    | 1565        |
| domain ZMOD IntegerMod . . . . .                           | 1572        |
| IntegerMod (ZMOD) . . . . .                                | 1573        |
| domain INTFTBL IntegrationFunctionsTable . . . . .         | 1575        |
| IntegrationFunctionsTable (INTFTBL) . . . . .              | 1577        |
| domain IR IntegrationResult . . . . .                      | 1579        |
| IntegrationResult (IR) . . . . .                           | 1581        |
| domain INTRVL Interval . . . . .                           | 1585        |
| Interval (INTRVL) . . . . .                                | 1590        |
| <b>11 Chapter J</b> . . . . .                              | <b>1601</b> |
| <b>12 Chapter K</b> . . . . .                              | <b>1603</b> |
| domain KERNEL Kernel . . . . .                             | 1603        |
| Kernel (KERNEL) . . . . .                                  | 1610        |
| domain KAFILE KeyedAccessFile . . . . .                    | 1614        |
| KeyedAccessFile (KAFILE) . . . . .                         | 1621        |
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| domain LAUPOL LaurentPolynomial . . . . .                  | 1627        |
| LaurentPolynomial (LAUPOL) . . . . .                       | 1629        |
| domain LIB Library . . . . .                               | 1634        |
| Library (LIB) . . . . .                                    | 1638        |
| domain LEXP LieExponentials . . . . .                      | 1640        |
| LieExponentials (LEXP) . . . . .                           | 1645        |
| domain LPOLY LiePolynomial . . . . .                       | 1649        |
| LiePolynomial (LPOLY) . . . . .                            | 1658        |
| domain LSQM LieSquareMatrix . . . . .                      | 1662        |
| LieSquareMatrix (LSQM) . . . . .                           | 1666        |
| domain LODO LinearOrdinaryDifferentialOperator . . . . .   | 1669        |
| LinearOrdinaryDifferentialOperator (LODO) . . . . .        | 1681        |
| domain LODO1 LinearOrdinaryDifferentialOperator1 . . . . . | 1682        |

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| LinearOrdinaryDifferentialOperator1 (LODO1)      | 1692        |
| domain LODO2 LinearOrdinaryDifferentialOperator2 | 1693        |
| LinearOrdinaryDifferentialOperator2 (LODO2)      | 1705        |
| domain LIST List                                 | 1707        |
| List (LIST)                                      | 1721        |
| domain LMOPS ListMonoidOps                       | 1724        |
| ListMonoidOps (LMOPS)                            | 1726        |
| domain LMDICT ListMultiDictionary                | 1730        |
| ListMultiDictionary (LMDICT)                     | 1732        |
| domain LA LocalAlgebra                           | 1735        |
| LocalAlgebra (LA)                                | 1737        |
| domain LO Localize                               | 1738        |
| Localize (LO)                                    | 1739        |
| domain LWORD LyndonWord                          | 1741        |
| LyndonWord (LWORD)                               | 1749        |
| <b>14 Chapter M</b>                              | <b>1755</b> |
| domain MCMPLX MachineComplex                     | 1755        |
| MachineComplex (MCMPLX)                          | 1760        |
| domain MFLOAT MachineFloat                       | 1763        |
| MachineFloat (MFLOAT)                            | 1765        |
| domain MINT MachineInteger                       | 1772        |
| MachineInteger (MINT)                            | 1775        |
| domain MAGMA Magma                               | 1777        |
| Magma (MAGMA)                                    | 1784        |
| domain MKCHSET MakeCachableSet                   | 1787        |
| MakeCachableSet (MKCHSET)                        | 1788        |
| domain MMLFORM MathMLFormat                      | 1790        |
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| )set output mathml on                            | 1792        |
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| File setvart.boot.pamphlet                       | 1793        |
| File src/algebra/Makefile.pamphlet               | 1794        |
| File src/algebra/exposed.lsp.pamphlet            | 1794        |
| File src/algebra/Lattice.pamphlet                | 1794        |
| File src/doc/axiom.bib.pamphlet                  | 1794        |
| File interp/i-output.boot.pamphlet               | 1794        |
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| Private Function Definitions                     | 1801        |
| Mathematical Markup Language Form                | 1818        |
| MathMLForm (MMLFORM)                             | 1822        |

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| domain MATRIX Matrix . . . . .                | 1822 |
| Matrix (MATRIX) . . . . .                     | 1843 |
| domain MODMON ModMonic . . . . .              | 1847 |
| ModMonic (MODMON) . . . . .                   | 1852 |
| domain MODFIELD ModularField . . . . .        | 1857 |
| ModularField (MODFIELD) . . . . .             | 1859 |
| domain MODRING ModularRing . . . . .          | 1860 |
| ModularRing (MODRING) . . . . .               | 1862 |
| domain MODMONOM ModuleMonomial . . . . .      | 1864 |
| ModuleMonomial (MODMONOM) . . . . .           | 1865 |
| domain MODOP ModuleOperator . . . . .         | 1866 |
| ModuleOperator (MODOP) . . . . .              | 1868 |
| domain MOEBIUS MoebiusTransform . . . . .     | 1873 |
| MoebiusTransform (MOEBIUS) . . . . .          | 1875 |
| domain MRING MonoidRing . . . . .             | 1877 |
| MonoidRing (MRING) . . . . .                  | 1879 |
| domain MSET Multiset . . . . .                | 1886 |
| Multiset (MSET) . . . . .                     | 1892 |
| domain MPOLY MultivariatePolynomial . . . . . | 1898 |
| MultivariatePolynomial (MPOLY) . . . . .      | 1905 |
| domain MYEXPR MyExpression . . . . .          | 1907 |
| MyExpression (MYEXPR) . . . . .               | 1911 |
| domain MYUP MyUnivariatePolynomial . . . . .  | 1913 |
| MyUnivariatePolynomial (MYUP) . . . . .       | 1918 |

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| domain NSDPS NeitherSparseOrDensePowerSeries . . . . . | 1921 |
| NeitherSparseOrDensePowerSeries (NSDPS) . . . . .      | 1925 |
| domain NSMP NewSparseMultivariatePolynomial . . . . .  | 1932 |
| NewSparseMultivariatePolynomial (NSMP) . . . . .       | 1936 |
| domain NSUP NewSparseUnivariatePolynomial . . . . .    | 1946 |
| NewSparseUnivariatePolynomial (NSUP) . . . . .         | 1951 |
| domain NONE None . . . . .                             | 1958 |
| None (NONE) . . . . .                                  | 1960 |
| domain NNI NonNegativeInteger . . . . .                | 1961 |
| NonNegativeInteger (NNI) . . . . .                     | 1962 |
| domain NOTTING NottinghamGroup . . . . .               | 1964 |
| NottinghamGroup (NOTTING) . . . . .                    | 1967 |
| domain NIPROB NumericalIntegrationProblem . . . . .    | 1968 |
| NumericalIntegrationProblem (NIPROB) . . . . .         | 1970 |
| domain ODEPROB NumericalODEProblem . . . . .           | 1971 |
| NumericalODEProblem (ODEPROB) . . . . .                | 1973 |
| domain OPTPROB NumericalOptimizationProblem . . . . .  | 1974 |
| NumericalOptimizationProblem (OPTPROB) . . . . .       | 1976 |
| domain PDEPROB NumericalPDEProblem . . . . .           | 1978 |
| NumericalPDEProblem (PDEPROB) . . . . .                | 1979 |

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| <b>16 Chapter O</b>                                   | <b>1983</b> |
| domain OCT Octonion . . . . .                         | 1983        |
| Octonion (OCT) . . . . .                              | 1990        |
| domain ODEIFTBL ODEIntensityFunctionsTable . . . . .  | 1992        |
| ODEIntensityFunctionsTable (ODEIFTBL) . . . . .       | 1994        |
| domain ARRAY1 OneDimensionalArray . . . . .           | 1996        |
| OneDimensionalArray (ARRAY1) . . . . .                | 2001        |
| domain ONECOMP OnePointCompletion . . . . .           | 2002        |
| OnePointCompletion (ONECOMP) . . . . .                | 2004        |
| domain OMCONN OpenMathConnection . . . . .            | 2007        |
| OpenMathConnection (OMCONN) . . . . .                 | 2008        |
| domain OMDEV OpenMathDevice . . . . .                 | 2009        |
| OpenMathDevice (OMDEV) . . . . .                      | 2011        |
| domain OMENC OpenMathEncoding . . . . .               | 2015        |
| OpenMathEncoding (OMENC) . . . . .                    | 2016        |
| domain OMERR OpenMathError . . . . .                  | 2018        |
| OpenMathError (OMERR) . . . . .                       | 2019        |
| domain OMERRK OpenMathErrorKind . . . . .             | 2020        |
| OpenMathErrorKind (OMERRK) . . . . .                  | 2021        |
| domain OP Operator . . . . .                          | 2023        |
| Operator (OP) . . . . .                               | 2032        |
| domain OMLO OppositeMonogenicLinearOperator . . . . . | 2033        |
| OppositeMonogenicLinearOperator (OMLO) . . . . .      | 2034        |
| domain ORDCOMP OrderedCompletion . . . . .            | 2035        |
| OrderedCompletion (ORDCOMP) . . . . .                 | 2037        |
| domain ODP OrderedDirectProduct . . . . .             | 2041        |
| OrderedDirectProduct (ODP) . . . . .                  | 2044        |
| domain OFMONOID OrderedFreeMonoid . . . . .           | 2045        |
| OrderedFreeMonoid (OFMONOID) . . . . .                | 2057        |
| domain OVAR OrderedVariableList . . . . .             | 2062        |
| OrderedVariableList (OVAR) . . . . .                  | 2065        |
| domain ODPOL OrderlyDifferentialPolynomial . . . . .  | 2066        |
| OrderlyDifferentialPolynomial (ODPOL) . . . . .       | 2083        |
| domain ODVAR OrderlyDifferentialVariable . . . . .    | 2085        |
| OrderlyDifferentialVariable (ODVAR) . . . . .         | 2087        |
| domain ODR OrdinaryDifferentialRing . . . . .         | 2088        |
| OrdinaryDifferentialRing (ODR) . . . . .              | 2090        |
| domain OWP OrdinaryWeightedPolynomials . . . . .      | 2091        |
| OrdinaryWeightedPolynomials (OWP) . . . . .           | 2093        |
| domain OSI OrdSetInts . . . . .                       | 2094        |
| OrdSetInts (OSI) . . . . .                            | 2095        |
| domain OUTFORM OutputForm . . . . .                   | 2097        |
| OutputForm (OUTFORM) . . . . .                        | 2099        |

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| <b>17 Chapter P</b>   | <b>2111</b> |
| domain PADIC PAdicInteger . . . . .                                     | 2111        |
| PAdicInteger (PADIC) . . . . .  | 2113        |
| domain PADICRAT PAdicRational . . . . .                                 | 2114        |
| PAdicRational (PADICRAT) . . . . .                                      | 2117        |
| domain PADICRC PAdicRationalConstructor . . . . .                       | 2119        |
| PAdicRationalConstructor (PADICRC) . . . . .                            | 2122        |
| domain PALETTE Palette . . . . .  | 2127        |
| Palette (PALETTE) . . . . .   | 2128        |
| domain PARPCURV ParametricPlaneCurve . . . . .                          | 2130        |
| ParametricPlaneCurve (PARPCURV) . . . . .                               | 2131        |
| domain PARSCURV ParametricSpaceCurve . . . . .                          | 2132        |
| ParametricSpaceCurve (PARSCURV) . . . . .                               | 2133        |
| domain PARSURF ParametricSurface . . . . .                              | 2135        |
| ParametricSurface (PARSURF) . . . . .                                   | 2136        |
| domain PFR PartialFraction . . . . .                                    | 2137        |
| PartialFraction (PFR) . . . . .   | 2146        |
| domain PRITITION Partition . . . . .                                    | 2154        |
| Partition (PRITITION) . . . . .   | 2156        |
| domain PATTERN Pattern . . . . .  | 2159        |
| Pattern (PATTERN) . . . . .   | 2161        |
| domain PATLRES PatternMatchListResult . . . . .                         | 2169        |
| PatternMatchListResult (PATLRES) . . . . .                              | 2170        |
| domain PATRES PatternMatchResult . . . . .                              | 2172        |
| PatternMatchResult (PATRES) . . . . .                                   | 2173        |
| domain PENDTREE PendantTree . . . . .                                   | 2175        |
| PendantTree (PENDTREE) . . . . .  | 2177        |
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