Class	Probability	Axis Counter
org.apache.commons.math3.analysis.BivariateFunction	0.5	61
org.apache.commons.math3.analysis.DifferentiableMultivariateFunction	0.75	5
org.apache.commons.math3.analysis.DifferentiableMultivariateVectorFunction	0.75	5
org.apache.commons.math3.analysis.DifferentiableUnivariateFunction	0.75	41
org.apache.commons.math3.analysis.DifferentiableUnivariateMatrixFunction	0.75	0
org.apache.commons.math3.analysis.DifferentiableUnivariateVectorFunction	0.75	0
org.apache.commons.math3.analysis.differentiation.DerivativeStructure$1	1	1
org.apache.commons.math3.analysis.differentiation.DerivativeStructure$DataTransferObject	1	1
org.apache.commons.math3.analysis.differentiation.DerivativeStructure	1	119
org.apache.commons.math3.analysis.differentiation.DSCompiler	0.99999999	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiator$1	1	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiator$2	1	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiator$3	1	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiator	1	4
org.apache.commons.math3.analysis.differentiation.GradientFunction	1	2
org.apache.commons.math3.analysis.differentiation.JacobianFunction	1	1
org.apache.commons.math3.analysis.differentiation.MultivariateDifferentiableFunction	0.75	11
org.apache.commons.math3.analysis.differentiation.MultivariateDifferentiableVectorFunction	0.75	20
org.apache.commons.math3.analysis.differentiation.SparseGradient$1	0.96875	1
org.apache.commons.math3.analysis.differentiation.SparseGradient	0.96875	2
org.apache.commons.math3.analysis.differentiation.UnivariateDifferentiableFunction	1	51
org.apache.commons.math3.analysis.differentiation.UnivariateDifferentiableMatrixFunction	1	1
org.apache.commons.math3.analysis.differentiation.UnivariateDifferentiableVectorFunction	1	2

org.apache.commons.math3.analysis.differentiation.UnivariateFunctionDifferentiator	0.75	1
org.apache.commons.math3.analysis.differentiation.UnivariateMatrixFunctionDifferentiator	0.75	1
org.apache.commons.math3.analysis.differentiation.UnivariateVectorFunctionDifferentiator	0.75	1
org.apache.commons.math3.analysis.function.Abs	0.75	2
org.apache.commons.math3.analysis.function.Acos	1	2
org.apache.commons.math3.analysis.function.Acosh	1	0
org.apache.commons.math3.analysis.function.Add	0.75	2
org.apache.commons.math3.analysis.function.Asin	1	2
org.apache.commons.math3.analysis.function.Asinh	1	0
org.apache.commons.math3.analysis.function.Atan	1	2
org.apache.commons.math3.analysis.function.Atan2	0.75	0
org.apache.commons.math3.analysis.function.Atanh	1	0
org.apache.commons.math3.analysis.function.Cbrt	1	2
org.apache.commons.math3.analysis.function.Ceil	0.75	2
org.apache.commons.math3.analysis.function.Constant	1	7
org.apache.commons.math3.analysis.function.Cos	1	6
org.apache.commons.math3.analysis.function.Cosh	1	4
org.apache.commons.math3.analysis.function.Divide	0.75	2
org.apache.commons.math3.analysis.function.Exp	1	2
org.apache.commons.math3.analysis.function.Expm1	1	7
org.apache.commons.math3.analysis.function.Floor	0.75	2
org.apache.commons.math3.analysis.function.Gaussian$Parametric	1	4
org.apache.commons.math3.analysis.function.Gaussian	1	4
org.apache.commons.math3.analysis.function.HarmonicOscillator$Parametric	0.99999619	4
org.apache.commons.math3.analysis.function.HarmonicOscillator	1	5
org.apache.commons.math3.analysis.function.Identity	1	2
org.apache.commons.math3.analysis.function.Inverse	1	5
org.apache.commons.math3.analysis.function.Log	1	4
org.apache.commons.math3.analysis.function.Log10	1	1
org.apache.commons.math3.analysis.function.Log1p	1	2
org.apache.commons.math3.analysis.function.Logistic$Parametric	1	1
org.apache.commons.math3.analysis.function.Logistic	1	2
org.apache.commons.math3.analysis.function.Logit$Parametric	0.99999619	1
org.apache.commons.math3.analysis.function.Logit	1	3
org.apache.commons.math3.analysis.function.Max	0.75	1
org.apache.commons.math3.analysis.function.Min	0.75	1
org.apache.commons.math3.analysis.function.Minus	1	1
org.apache.commons.math3.analysis.function.Multiply	0.75	2
org.apache.commons.math3.analysis.function.Pow	0.75	1
org.apache.commons.math3.analysis.function.Power	1	4

org.apache.commons.math3.analysis.function.Rint	0.75	2
org.apache.commons.math3.analysis.function.Sigmoid$Parametric	0.99999619	2
org.apache.commons.math3.analysis.function.Sigmoid	1	5
org.apache.commons.math3.analysis.function.Signum	0.75	2
org.apache.commons.math3.analysis.function.Sin	1	29
org.apache.commons.math3.analysis.function.Sinc	1	6
org.apache.commons.math3.analysis.function.Sinh	1	3
org.apache.commons.math3.analysis.function.Sqrt	1	5
org.apache.commons.math3.analysis.function.StepFunction	0.99999997	3
org.apache.commons.math3.analysis.function.Subtract	0.75	0
org.apache.commons.math3.analysis.function.Tan	1	2
org.apache.commons.math3.analysis.function.Tanh	1	2
org.apache.commons.math3.analysis.function.Ulp	0.75	1
org.apache.commons.math3.analysis.FunctionUtils$1	0.75	1
org.apache.commons.math3.analysis.FunctionUtils$10	0.875	1
org.apache.commons.math3.analysis.FunctionUtils$11	0.9375	1
org.apache.commons.math3.analysis.FunctionUtils$12	0.875	1
org.apache.commons.math3.analysis.FunctionUtils$13	0.875	1
org.apache.commons.math3.analysis.FunctionUtils$14$1	1	1
org.apache.commons.math3.analysis.FunctionUtils$14	0.96875	2
org.apache.commons.math3.analysis.FunctionUtils$15	1	1
org.apache.commons.math3.analysis.FunctionUtils$16$1	1	1
org.apache.commons.math3.analysis.FunctionUtils$16$2	1	1
org.apache.commons.math3.analysis.FunctionUtils$16	0.99804688	3
org.apache.commons.math3.analysis.FunctionUtils$17	1	1
org.apache.commons.math3.analysis.FunctionUtils$18$1	1	1
org.apache.commons.math3.analysis.FunctionUtils$18	0.9921875	2
org.apache.commons.math3.analysis.FunctionUtils$19	1	1
org.apache.commons.math3.analysis.FunctionUtils$2	1	1
org.apache.commons.math3.analysis.FunctionUtils$3$1	0.96875	1
org.apache.commons.math3.analysis.FunctionUtils$3	0.96875	2
org.apache.commons.math3.analysis.FunctionUtils$4	0.75	1
org.apache.commons.math3.analysis.FunctionUtils$5	1	1
org.apache.commons.math3.analysis.FunctionUtils$6$1	0.96875	1
org.apache.commons.math3.analysis.FunctionUtils$6	0.96875	2
org.apache.commons.math3.analysis.FunctionUtils$7	0.75	1
org.apache.commons.math3.analysis.FunctionUtils$8	1	1
org.apache.commons.math3.analysis.FunctionUtils$9$1	0.96875	1
org.apache.commons.math3.analysis.FunctionUtils$9	0.96875	2
org.apache.commons.math3.analysis.FunctionUtils	1	0
org.apache.commons.math3.analysis.integration.BaseAbstractUnivariateIntegrator	1	6
org.apache.commons.math3.analysis.integration.gauss.BaseRuleFactory	0.99999976	5
org.apache.commons.math3.analysis.integration.gauss.GaussIntegrator	0.99975586	4

org.apache.commons.math3.analysis.integration.gauss.GaussIntegratorFactory	1	7
org.apache.commons.math3.analysis.integration.gauss.HermiteRuleFactory	0.99999994	1
org.apache.commons.math3.analysis.integration.gauss.LegendreHighPrecisionRuleFactory	0.99999994	1
org.apache.commons.math3.analysis.integration.gauss.LegendreRuleFactory	0.99999994	1
org.apache.commons.math3.analysis.integration.gauss.SymmetricGaussIntegrator	0.99996948	1
org.apache.commons.math3.analysis.integration.IterativeLegendreGaussIntegrator$1	1	1
org.apache.commons.math3.analysis.integration.IterativeLegendreGaussIntegrator	1	5
org.apache.commons.math3.analysis.integration.LegendreGaussIntegrator	1	1
org.apache.commons.math3.analysis.integration.MidPointIntegrator	1	1
org.apache.commons.math3.analysis.integration.RombergIntegrator	1	2
org.apache.commons.math3.analysis.integration.SimpsonIntegrator	1	1
org.apache.commons.math3.analysis.integration.TrapezoidIntegrator	1	3
org.apache.commons.math3.analysis.integration.UnivariateIntegrator	0.75	1
org.apache.commons.math3.analysis.interpolation.AkimaSplineInterpolator	1	2
org.apache.commons.math3.analysis.interpolation.BicubicFunction	0.99951172	1
org.apache.commons.math3.analysis.interpolation.BicubicInterpolatingFunction	1	2
org.apache.commons.math3.analysis.interpolation.BicubicInterpolator$1	1	1
org.apache.commons.math3.analysis.interpolation.BicubicInterpolator	1	2
org.apache.commons.math3.analysis.interpolation.BicubicSplineFunction$1	0.99987793	1
org.apache.commons.math3.analysis.interpolation.BicubicSplineFunction$2	0.99987793	1
org.apache.commons.math3.analysis.interpolation.BicubicSplineFunction$3	0.99987793	1
org.apache.commons.math3.analysis.interpolation.BicubicSplineFunction$4	0.99987793	1
org.apache.commons.math3.analysis.interpolation.BicubicSplineFunction$5	0.99987793	1

org.apache.commons.math3.analysis.interpolation.BicubicSplineFunction	0.99999952	7
org.apache.commons.math3.analysis.interpolation.BicubicSplineInterpolatingFunction	1	3
org.apache.commons.math3.analysis.interpolation.BicubicSplineInterpolator	1	3
org.apache.commons.math3.analysis.interpolation.BivariateGridInterpolator	0.5	3
org.apache.commons.math3.analysis.interpolation.DividedDifferenceInterpolator	1	1
org.apache.commons.math3.analysis.interpolation.FieldHermiteInterpolator	0.99999619	1
org.apache.commons.math3.analysis.interpolation.HermiteInterpolator	1	1
org.apache.commons.math3.analysis.interpolation.InterpolatingMicrosphere$Facet	0.5	1
org.apache.commons.math3.analysis.interpolation.InterpolatingMicrosphere$FacetData	0.5	1
org.apache.commons.math3.analysis.interpolation.InterpolatingMicrosphere	1	3
org.apache.commons.math3.analysis.interpolation.InterpolatingMicrosphere2D	1	1
org.apache.commons.math3.analysis.interpolation.LinearInterpolator	1	3
org.apache.commons.math3.analysis.interpolation.LoessInterpolator	1	1
org.apache.commons.math3.analysis.interpolation.MicrosphereInterpolatingFunction$MicrosphereSurfaceElement	1	1
org.apache.commons.math3.analysis.interpolation.MicrosphereInterpolatingFunction	1	1
org.apache.commons.math3.analysis.interpolation.MicrosphereInterpolator	1	1
org.apache.commons.math3.analysis.interpolation.MicrosphereProjectionInterpolator$1	1	1
org.apache.commons.math3.analysis.interpolation.MicrosphereProjectionInterpolator	1	2
org.apache.commons.math3.analysis.interpolation.MultivariateInterpolator	0.5	2
org.apache.commons.math3.analysis.interpolation.NevilleInterpolator	0.99999976	2
org.apache.commons.math3.analysis.interpolation.PiecewiseBicubicSplineInterpolatingFunction	1	2
org.apache.commons.math3.analysis.interpolation.PiecewiseBicubicSplineInterpolator	1	1
org.apache.commons.math3.analysis.interpolation.SmoothingPolynomialBicubicSplineInterpolator	1	1

org.apache.commons.math3.analysis.interpolation.SplineInterpolator	1	3
org.apache.commons.math3.analysis.interpolation.TricubicFunction	0.99951172	1
org.apache.commons.math3.analysis.interpolation.TricubicInterpolatingFunction	1	2
org.apache.commons.math3.analysis.interpolation.TricubicInterpolator$1	1	1
org.apache.commons.math3.analysis.interpolation.TricubicInterpolator	1	2
org.apache.commons.math3.analysis.interpolation.TricubicSplineFunction	0.99951172	1
org.apache.commons.math3.analysis.interpolation.TricubicSplineInterpolatingFunction	1	2
org.apache.commons.math3.analysis.interpolation.TricubicSplineInterpolator	1	1
org.apache.commons.math3.analysis.interpolation.TrivariateGridInterpolator	0.5	2
org.apache.commons.math3.analysis.interpolation.UnivariateInterpolator	0.5	7
org.apache.commons.math3.analysis.interpolation.UnivariatePeriodicInterpolator$1	0.99987793	1
org.apache.commons.math3.analysis.interpolation.UnivariatePeriodicInterpolator	0.99987793	2
org.apache.commons.math3.analysis.MultivariateFunction	0.5	129
org.apache.commons.math3.analysis.MultivariateMatrixFunction	0.5	26
org.apache.commons.math3.analysis.MultivariateVectorFunction	0.5	46
org.apache.commons.math3.analysis.ParametricUnivariateFunction	0.5	17
org.apache.commons.math3.analysis.polynomials.PolynomialFunction$Parametric	0.75	6
org.apache.commons.math3.analysis.polynomials.PolynomialFunction	1	25
org.apache.commons.math3.analysis.polynomials.PolynomialFunctionLagrangeForm	0.99999905	2
org.apache.commons.math3.analysis.polynomials.PolynomialFunctionNewtonForm	1	2
org.apache.commons.math3.analysis.polynomials.PolynomialSplineFunction	1	6
org.apache.commons.math3.analysis.polynomials.PolynomialsUtils$1	1	1
org.apache.commons.math3.analysis.polynomials.PolynomialsUtils$2	1	1
org.apache.commons.math3.analysis.polynomials.PolynomialsUtils$3	1	1

org.apache.commons.math3.analysis.polynomials.PolynomialsUtils$4	1	1
org.apache.commons.math3.analysis.polynomials.PolynomialsUtils$5	1	1
org.apache.commons.math3.analysis.polynomials.PolynomialsUtils$JacobiKey	0.5	1
org.apache.commons.math3.analysis.polynomials.PolynomialsUtils$RecurrenceCoefficientsGenerator	0.5	6
org.apache.commons.math3.analysis.polynomials.PolynomialsUtils	1	0
org.apache.commons.math3.analysis.RealFieldUnivariateFunction	0.875	12
org.apache.commons.math3.analysis.solvers.AbstractDifferentiableUnivariateSolver	0.99999809	1
org.apache.commons.math3.analysis.solvers.AbstractPolynomialSolver	1	1
org.apache.commons.math3.analysis.solvers.AbstractUnivariateDifferentiableSolver	1	1
org.apache.commons.math3.analysis.solvers.AbstractUnivariateSolver	0.99998474	8
org.apache.commons.math3.analysis.solvers.AllowedSolution	0.5	10
org.apache.commons.math3.analysis.solvers.BaseAbstractUnivariateSolver	0.99975586	4
org.apache.commons.math3.analysis.solvers.BaseSecantSolver$1	0.5	0
org.apache.commons.math3.analysis.solvers.BaseSecantSolver$Method	0.5	1
org.apache.commons.math3.analysis.solvers.BaseSecantSolver	1	3
org.apache.commons.math3.analysis.solvers.BaseUnivariateSolver	0.75	6
org.apache.commons.math3.analysis.solvers.BisectionSolver	0.99999237	1
org.apache.commons.math3.analysis.solvers.BracketedRealFieldUnivariateSolver	0.9921875	4
org.apache.commons.math3.analysis.solvers.BracketedUnivariateSolver	0.96875	3
org.apache.commons.math3.analysis.solvers.BracketingNthOrderBrentSolver$1	0.5	0
org.apache.commons.math3.analysis.solvers.BracketingNthOrderBrentSolver	1	3
org.apache.commons.math3.analysis.solvers.BrentSolver	0.99999994	5
org.apache.commons.math3.analysis.solvers.DifferentiableUnivariateSolver	0.875	1
org.apache.commons.math3.analysis.solvers.FieldBracketingNthOrderBrentSolver$1	0.5	0
org.apache.commons.math3.analysis.solvers.FieldBracketingNthOrderBrentSolver	1	3
org.apache.commons.math3.analysis.solvers.IllinoisSolver	1	1

org.apache.commons.math3.analysis.solvers.LaguerreSolver$1	0.5	1
org.apache.commons.math3.analysis.solvers.LaguerreSolver$ComplexSolver	1	1
org.apache.commons.math3.analysis.solvers.LaguerreSolver	1	2
org.apache.commons.math3.analysis.solvers.MullerSolver	0.99999237	1
org.apache.commons.math3.analysis.solvers.MullerSolver2	0.99999994	1
org.apache.commons.math3.analysis.solvers.NewtonRaphsonSolver	1	2
org.apache.commons.math3.analysis.solvers.NewtonSolver	0.99999988	1
org.apache.commons.math3.analysis.solvers.PegasusSolver	1	5
org.apache.commons.math3.analysis.solvers.PolynomialSolver	0.875	1
org.apache.commons.math3.analysis.solvers.RegulaFalsiSolver	1	1
org.apache.commons.math3.analysis.solvers.RiddersSolver	0.99999237	1
org.apache.commons.math3.analysis.solvers.SecantSolver	0.99999237	1
org.apache.commons.math3.analysis.solvers.UnivariateDifferentiableSolver	0.875	1
org.apache.commons.math3.analysis.solvers.UnivariateSolver	0.875	8
org.apache.commons.math3.analysis.solvers.UnivariateSolverUtils	1	0
org.apache.commons.math3.analysis.TrivariateFunction	0.5	40
org.apache.commons.math3.analysis.UnivariateFunction	0.5	128
org.apache.commons.math3.analysis.UnivariateMatrixFunction	0.5	7
org.apache.commons.math3.analysis.UnivariateVectorFunction	0.5	7
org.apache.commons.math3.complex.Complex	0.99987793	15
org.apache.commons.math3.complex.ComplexField$1	0.5	1
org.apache.commons.math3.complex.ComplexField$LazyHolder	0.9375	0
org.apache.commons.math3.complex.ComplexField	0.875	1
org.apache.commons.math3.complex.ComplexFormat	1	2
org.apache.commons.math3.complex.ComplexUtils	0.99999809	0
org.apache.commons.math3.complex.Quaternion	0.99999809	1
org.apache.commons.math3.complex.RootsOfUnity	0.99999994	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFP$1	1	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFP	1	2
org.apache.commons.math3.dfp.Dfp$1	0.5	0
org.apache.commons.math3.dfp.Dfp	0.99998474	27
org.apache.commons.math3.dfp.DfpDec$1	0.5	0
org.apache.commons.math3.dfp.DfpDec	1	2
org.apache.commons.math3.dfp.DfpField$RoundingMode	0.5	2
org.apache.commons.math3.dfp.DfpField	0.99998474	14
org.apache.commons.math3.dfp.DfpMath	1	0
org.apache.commons.math3.dfp.UnivariateDfpFunction	0.99999237	10
org.apache.commons.math3.distribution.AbstractIntegerDistribution	1	9

org.apache.commons.math3.distribution.AbstractMultivariateRealDistribution	0.99993896	2
org.apache.commons.math3.distribution.AbstractRealDistribution$1	1	1
org.apache.commons.math3.distribution.AbstractRealDistribution	1	24
org.apache.commons.math3.distribution.BetaDistribution$ChengBetaSampler	0.75	0
org.apache.commons.math3.distribution.BetaDistribution	1	3
org.apache.commons.math3.distribution.BinomialDistribution	1	3
org.apache.commons.math3.distribution.CauchyDistribution	1	3
org.apache.commons.math3.distribution.ChiSquaredDistribution	1	5
org.apache.commons.math3.distribution.ConstantRealDistribution	1	3
org.apache.commons.math3.distribution.EnumeratedDistribution	1	3
org.apache.commons.math3.distribution.EnumeratedIntegerDistribution	1	1
org.apache.commons.math3.distribution.EnumeratedRealDistribution	1	2
org.apache.commons.math3.distribution.ExponentialDistribution	1	4
org.apache.commons.math3.distribution.FDistribution	1	5
org.apache.commons.math3.distribution.fitting.MultivariateNormalMixtureExpectationMaximization$DataRow	0.5	1
org.apache.commons.math3.distribution.fitting.MultivariateNormalMixtureExpectationMaximization	1	1
org.apache.commons.math3.distribution.GammaDistribution	1	4
org.apache.commons.math3.distribution.GeometricDistribution	1	1
org.apache.commons.math3.distribution.GumbelDistribution	1	1
org.apache.commons.math3.distribution.HypergeometricDistribution	1	2
org.apache.commons.math3.distribution.IntegerDistribution	0.5	3
org.apache.commons.math3.distribution.KolmogorovSmirnovDistribution	1	1
org.apache.commons.math3.distribution.LaplaceDistribution	1	1
org.apache.commons.math3.distribution.LevyDistribution	1	1
org.apache.commons.math3.distribution.LogisticDistribution	1	1
org.apache.commons.math3.distribution.LogNormalDistribution	1	2
org.apache.commons.math3.distribution.MixtureMultivariateNormalDistribution	1	2
org.apache.commons.math3.distribution.MixtureMultivariateRealDistribution	1	2
org.apache.commons.math3.distribution.MultivariateNormalDistribution	1	5

org.apache.commons.math3.distribution.MultivariateRealDistribution	0.5	1
org.apache.commons.math3.distribution.NakagamiDistribution	1	1
org.apache.commons.math3.distribution.NormalDistribution	1	26
org.apache.commons.math3.distribution.ParetoDistribution	1	1
org.apache.commons.math3.distribution.PascalDistribution	1	2
org.apache.commons.math3.distribution.PoissonDistribution	1	3
org.apache.commons.math3.distribution.RealDistribution	0.5	11
org.apache.commons.math3.distribution.SaddlePointExpansion	0.5	0
org.apache.commons.math3.distribution.TDistribution	1	7
org.apache.commons.math3.distribution.TriangularDistribution	1	1
org.apache.commons.math3.distribution.UniformIntegerDistribution	1	6
org.apache.commons.math3.distribution.UniformRealDistribution	1	27
org.apache.commons.math3.distribution.WeibullDistribution	1	3
org.apache.commons.math3.distribution.ZipfDistribution$ZipfRejectionInversionSampler	0.75	1
org.apache.commons.math3.distribution.ZipfDistribution	1	2
org.apache.commons.math3.exception.ConvergenceException	0.9921875	16
org.apache.commons.math3.exception.DimensionMismatchException	0.99804688	129
org.apache.commons.math3.exception.InsufficientDataException	0.9921875	5
org.apache.commons.math3.exception.MathArithmeticException	0.96875	23
org.apache.commons.math3.exception.MathIllegalArgumentException	0.96875	67
org.apache.commons.math3.exception.MathIllegalNumberException	0.9921875	8
org.apache.commons.math3.exception.MathIllegalStateException	0.96875	44
org.apache.commons.math3.exception.MathInternalError	0.9921875	32
org.apache.commons.math3.exception.MathParseException	0.9921875	9
org.apache.commons.math3.exception.MathRuntimeException	0.96875	0
org.apache.commons.math3.exception.MathUnsupportedOperationException	0.96875	22
org.apache.commons.math3.exception.MaxCountExceededException	0.9921875	12
org.apache.commons.math3.exception.MultiDimensionMismatchException	0.9921875	1
org.apache.commons.math3.exception.NoBracketingException	0.9921875	6
org.apache.commons.math3.exception.NoDataException	0.9921875	35
org.apache.commons.math3.exception.NonMonotonicSequenceException	0.99804688	2
org.apache.commons.math3.exception.NotANumberException	0.99609375	4

org.apache.commons.math3.exception.NotFiniteNumberException	0.99804688	3
org.apache.commons.math3.exception.NotPositiveException	0.99951172	31
org.apache.commons.math3.exception.NotStrictlyPositiveException	0.99951172	77
org.apache.commons.math3.exception.NullArgumentException	0.9921875	58
org.apache.commons.math3.exception.NumberIsTooLargeException	0.99804688	51
org.apache.commons.math3.exception.NumberIsTooSmallException	0.99804688	69
org.apache.commons.math3.exception.OutOfRangeException	0.99804688	79
org.apache.commons.math3.exception.TooManyEvaluationsException	0.99609375	13
org.apache.commons.math3.exception.TooManyIterationsException	0.99609375	3
org.apache.commons.math3.exception.util.ArgUtils	0.5	0
org.apache.commons.math3.exception.util.DummyLocalizable	0.75	0
org.apache.commons.math3.exception.util.ExceptionContext	0.75	6
org.apache.commons.math3.exception.util.ExceptionContextProvider	0.5	6
org.apache.commons.math3.exception.util.Localizable	0.5	30
org.apache.commons.math3.exception.util.LocalizedFormats	0.75	1
org.apache.commons.math3.exception.ZeroException	0.99804688	19
org.apache.commons.math3.Field	0.5	87
org.apache.commons.math3.FieldElement	0.5	56
org.apache.commons.math3.filter.DefaultMeasurementModel	1	1
org.apache.commons.math3.filter.DefaultProcessModel	1	1
org.apache.commons.math3.filter.KalmanFilter	1	1
org.apache.commons.math3.filter.MeasurementModel	0.5	2
org.apache.commons.math3.filter.ProcessModel	0.5	2
org.apache.commons.math3.fitting.AbstractCurveFitter$TheoreticalValuesFunction$1	0.9375	1
org.apache.commons.math3.fitting.AbstractCurveFitter$TheoreticalValuesFunction$2	0.9375	1
org.apache.commons.math3.fitting.AbstractCurveFitter$TheoreticalValuesFunction	0.984375	6
org.apache.commons.math3.fitting.AbstractCurveFitter	1	4
org.apache.commons.math3.fitting.CurveFitter$TheoreticalValuesFunction$1	0.99902344	1
org.apache.commons.math3.fitting.CurveFitter$TheoreticalValuesFunction$2	0.99902344	1
org.apache.commons.math3.fitting.CurveFitter$TheoreticalValuesFunction	1	3
org.apache.commons.math3.fitting.CurveFitter	1	6
org.apache.commons.math3.fitting.GaussianCurveFitter$1	1	1
org.apache.commons.math3.fitting.GaussianCurveFitter$ParameterGuesser$1	1	1

org.apache.commons.math3.fitting.GaussianCurveFitter$ParameterGuesser	1	2
org.apache.commons.math3.fitting.GaussianCurveFitter	1	0
org.apache.commons.math3.fitting.GaussianFitter$1	1	1
org.apache.commons.math3.fitting.GaussianFitter$ParameterGuesser$1	1	1
org.apache.commons.math3.fitting.GaussianFitter$ParameterGuesser	1	2
org.apache.commons.math3.fitting.GaussianFitter	1	2
org.apache.commons.math3.fitting.HarmonicCurveFitter$ParameterGuesser	0.99999997	2
org.apache.commons.math3.fitting.HarmonicCurveFitter	1	0
org.apache.commons.math3.fitting.HarmonicFitter$ParameterGuesser	0.99999994	2
org.apache.commons.math3.fitting.HarmonicFitter	1	1
org.apache.commons.math3.fitting.leastsquares.AbstractEvaluation	1	3
org.apache.commons.math3.fitting.leastsquares.DenseWeightedEvaluation	1	1
org.apache.commons.math3.fitting.leastsquares.EvaluationRmsChecker	0.875	1
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizer$1	0.5	1
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizer$Decomposition$1	1	1
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizer$Decomposition$2	1	1
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizer$Decomposition$3	1	1
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizer$Decomposition$4	1	1
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizer$Decomposition	1	5
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizer	1	4
org.apache.commons.math3.fitting.leastsquares.LeastSquaresAdapter	1	2
org.apache.commons.math3.fitting.leastsquares.LeastSquaresBuilder	1	8
org.apache.commons.math3.fitting.leastsquares.LeastSquaresFactory$1	1	3
org.apache.commons.math3.fitting.leastsquares.LeastSquaresFactory$2	1	1
org.apache.commons.math3.fitting.leastsquares.LeastSquaresFactory$3	0.984375	1
org.apache.commons.math3.fitting.leastsquares.LeastSquaresFactory$LocalLeastSquaresProblem$LazyUnweightedEvaluation	1	1

Class	Coverage	Value
org.apache.commons.math3.fitting.leastsquares.LeastSquaresFactory$LocalLeastSquaresProblem$UnweightedEvaluation	1	1
org.apache.commons.math3.fitting.leastsquares.LeastSquaresFactory$LocalLeastSquaresProblem	1	1
org.apache.commons.math3.fitting.leastsquares.LeastSquaresFactory$LocalValueAndJacobianFunction	1	1
org.apache.commons.math3.fitting.leastsquares.LeastSquaresFactory	1	0
org.apache.commons.math3.fitting.leastsquares.LeastSquaresOptimizer$Optimum	0.75	2
org.apache.commons.math3.fitting.leastsquares.LeastSquaresOptimizer	1	3
org.apache.commons.math3.fitting.leastsquares.LeastSquaresProblem$Evaluation	0.5	9
org.apache.commons.math3.fitting.leastsquares.LeastSquaresProblem	1	9
org.apache.commons.math3.fitting.leastsquares.LevenbergMarquardtOptimizer$InternalData	0.5	1
org.apache.commons.math3.fitting.leastsquares.LevenbergMarquardtOptimizer	1	3
org.apache.commons.math3.fitting.leastsquares.MultivariateJacobianFunction	1	9
org.apache.commons.math3.fitting.leastsquares.OptimumImpl	0.9375	2
org.apache.commons.math3.fitting.leastsquares.ParameterValidator	1	4
org.apache.commons.math3.fitting.leastsquares.ValueAndJacobianFunction	1	3
org.apache.commons.math3.fitting.PolynomialCurveFitter	1	0
org.apache.commons.math3.fitting.PolynomialFitter	1	2
org.apache.commons.math3.fitting.SimpleCurveFitter	1	0
org.apache.commons.math3.fitting.WeightedObservedPoint	0.5	10
org.apache.commons.math3.fitting.WeightedObservedPoints	0.75	5
org.apache.commons.math3.fraction.AbstractFormat	0.99609375	2
org.apache.commons.math3.fraction.BigFraction	1	18
org.apache.commons.math3.fraction.BigFractionField$1	0.5	1
org.apache.commons.math3.fraction.BigFractionField$LazyHolder	0.9375	0
org.apache.commons.math3.fraction.BigFractionField	0.875	1
org.apache.commons.math3.fraction.BigFractionFormat	1	1
org.apache.commons.math3.fraction.Fraction	0.99999976	42
org.apache.commons.math3.fraction.FractionConversionException	0.99609375	2
org.apache.commons.math3.fraction.FractionField$1	0.5	1
org.apache.commons.math3.fraction.FractionField$LazyHolder	0.9375	0
org.apache.commons.math3.fraction.FractionField	0.875	1
org.apache.commons.math3.fraction.FractionFormat	1	1
org.apache.commons.math3.fraction.ProperBigFractionFormat	1	1

org.apache.commons.math3.fraction.ProperFractionFormat	1	1
org.apache.commons.math3.genetics.AbstractListChromosome	0.9375	8
org.apache.commons.math3.genetics.BinaryChromosome	0.99996948	3
org.apache.commons.math3.genetics.BinaryMutation	0.99987793	3
org.apache.commons.math3.genetics.Chromosome	0.875	34
org.apache.commons.math3.genetics.ChromosomePair	0.9375	7
org.apache.commons.math3.genetics.CrossoverPolicy	0.9375	6
org.apache.commons.math3.genetics.CycleCrossover	1	1
org.apache.commons.math3.genetics.ElitisticListPopulation	1	5
org.apache.commons.math3.genetics.Fitness	0.5	1
org.apache.commons.math3.genetics.FixedElapsedTime	0.99999237	1
org.apache.commons.math3.genetics.FixedGenerationCount	0.99999237	4
org.apache.commons.math3.genetics.GeneticAlgorithm	1	3
org.apache.commons.math3.genetics.InvalidRepresentationException	0.9921875	2
org.apache.commons.math3.genetics.ListPopulation	1	14
org.apache.commons.math3.genetics.MutationPolicy	0.9375	3
org.apache.commons.math3.genetics.NPointCrossover	1	1
org.apache.commons.math3.genetics.OnePointCrossover	1	4
org.apache.commons.math3.genetics.OrderedCrossover	1	1
org.apache.commons.math3.genetics.PermutationChromosome	0.5	1
org.apache.commons.math3.genetics.Population	0.875	10
org.apache.commons.math3.genetics.RandomKey	1	2
org.apache.commons.math3.genetics.RandomKeyMutation	0.99987793	2
org.apache.commons.math3.genetics.SelectionPolicy	0.9375	2
org.apache.commons.math3.genetics.StoppingCondition	0.9375	3
org.apache.commons.math3.genetics.TournamentSelection$1	0.9921875	1
org.apache.commons.math3.genetics.TournamentSelection	0.99609375	5
org.apache.commons.math3.genetics.UniformCrossover	1	1
org.apache.commons.math3.geometry.enclosing.Encloser	0.5	1
org.apache.commons.math3.geometry.enclosing.EnclosingBall	0.75	4
org.apache.commons.math3.geometry.enclosing.SupportBallGenerator	0.5	3
org.apache.commons.math3.geometry.enclosing.WelzlEncloser	0.99975586	3
org.apache.commons.math3.geometry.euclidean.oned.Euclidean1D$1	0.5	1
org.apache.commons.math3.geometry.euclidean.oned.Euclidean1D$LazyHolder	0.99902344	0
org.apache.commons.math3.geometry.euclidean.oned.Euclidean1D$NoSubSpaceException	0.984375	1
org.apache.commons.math3.geometry.euclidean.oned.Euclidean1D	0.99804688	1
org.apache.commons.math3.geometry.euclidean.oned.Interval	0.99902344	2
org.apache.commons.math3.geometry.euclidean.oned.IntervalsSet$SubIntervalsIterator	0.99996948	1
org.apache.commons.math3.geometry.euclidean.oned.IntervalsSet	1	13

org.apache.commons.math3.geometry.euclidean.oned.OrientedPoint	1	4
org.apache.commons.math3.geometry.euclidean.oned.SubOrientedPoint	1	1
org.apache.commons.math3.geometry.euclidean.oned.Vector1D	0.99999976	15
org.apache.commons.math3.geometry.euclidean.oned.Vector1DFormat	0.99999976	2
org.apache.commons.math3.geometry.euclidean.threed.CardanEulerSingularityException	0.984375	2
org.apache.commons.math3.geometry.euclidean.threed.Euclidean3D$1	0.5	1
org.apache.commons.math3.geometry.euclidean.threed.Euclidean3D$LazyHolder	0.9375	0
org.apache.commons.math3.geometry.euclidean.threed.Euclidean3D	0.875	1
org.apache.commons.math3.geometry.euclidean.threed.FieldRotation	1	2
org.apache.commons.math3.geometry.euclidean.threed.FieldVector3D	1	4
org.apache.commons.math3.geometry.euclidean.threed.Line	1	8
org.apache.commons.math3.geometry.euclidean.threed.NotARotationMatrixException	0.9921875	2
org.apache.commons.math3.geometry.euclidean.threed.OutlineExtractor$BoundaryProjector	1	1
org.apache.commons.math3.geometry.euclidean.threed.OutlineExtractor	1	1
org.apache.commons.math3.geometry.euclidean.threed.Plane	1	6
org.apache.commons.math3.geometry.euclidean.threed.PolyhedronsSet$FacetsContributionVisitor	1	1
org.apache.commons.math3.geometry.euclidean.threed.PolyhedronsSet$RotationTransform	1	1
org.apache.commons.math3.geometry.euclidean.threed.PolyhedronsSet$TranslationTransform	1	1
org.apache.commons.math3.geometry.euclidean.threed.PolyhedronsSet	1	6
org.apache.commons.math3.geometry.euclidean.threed.Rotation	1	17
org.apache.commons.math3.geometry.euclidean.threed.RotationConvention	0.5	2
org.apache.commons.math3.geometry.euclidean.threed.RotationOrder	1	6
org.apache.commons.math3.geometry.euclidean.threed.Segment	1	2
org.apache.commons.math3.geometry.euclidean.threed.SphereGenerator	1	3

org.apache.commons.math3.geometry.euclidean.threed.SphericalCoordinates$DataTransferObject	0.99999905	1
org.apache.commons.math3.geometry.euclidean.threed.SphericalCoordinates	0.99999905	2
org.apache.commons.math3.geometry.euclidean.threed.SubLine	1	2
org.apache.commons.math3.geometry.euclidean.threed.SubPlane	1	4
org.apache.commons.math3.geometry.euclidean.threed.Vector3D	1	42
org.apache.commons.math3.geometry.euclidean.threed.Vector3DFormat	1	3
org.apache.commons.math3.geometry.euclidean.twod.DiskGenerator	1	3
org.apache.commons.math3.geometry.euclidean.twod.Euclidean2D$1	0.5	1
org.apache.commons.math3.geometry.euclidean.twod.Euclidean2D$LazyHolder	0.9375	0
org.apache.commons.math3.geometry.euclidean.twod.Euclidean2D	0.875	1
org.apache.commons.math3.geometry.euclidean.twod.hull.AbstractConvexHullGenerator2D	1	1
org.apache.commons.math3.geometry.euclidean.twod.hull.AklToussaintHeuristic	1	0
org.apache.commons.math3.geometry.euclidean.twod.hull.ConvexHull2D	1	2
org.apache.commons.math3.geometry.euclidean.twod.hull.ConvexHullGenerator2D	0.75	1
org.apache.commons.math3.geometry.euclidean.twod.hull.MonotoneChain$1	0.99999905	1
org.apache.commons.math3.geometry.euclidean.twod.hull.MonotoneChain	1	3
org.apache.commons.math3.geometry.euclidean.twod.Line$1	0.5	1
org.apache.commons.math3.geometry.euclidean.twod.Line$LineTransform	1	1
org.apache.commons.math3.geometry.euclidean.twod.Line	1	17
org.apache.commons.math3.geometry.euclidean.twod.NestedLoops	1	0
org.apache.commons.math3.geometry.euclidean.twod.PolygonsSet$1	0.5	0
org.apache.commons.math3.geometry.euclidean.twod.PolygonsSet$ConnectableSegment	1	2
org.apache.commons.math3.geometry.euclidean.twod.PolygonsSet$Edge	0.99999999	2
org.apache.commons.math3.geometry.euclidean.twod.PolygonsSet$SegmentsBuilder	1	1

org.apache.commons.math3.geometry.euclidean.twod.PolygonsSet$Vertex	1	2
org.apache.commons.math3.geometry.euclidean.twod.PolygonsSet	1	11
org.apache.commons.math3.geometry.euclidean.twod.Segment	1	6
org.apache.commons.math3.geometry.euclidean.twod.SubLine	1	5
org.apache.commons.math3.geometry.euclidean.twod.Vector2D	1	55
org.apache.commons.math3.geometry.euclidean.twod.Vector2DFormat	1	2
org.apache.commons.math3.geometry.hull.ConvexHull	0.5	1
org.apache.commons.math3.geometry.hull.ConvexHullGenerator	0.5	1
org.apache.commons.math3.geometry.partitioning.AbstractRegion$1	0.99999905	1
org.apache.commons.math3.geometry.partitioning.AbstractRegion$2	1	1
org.apache.commons.math3.geometry.partitioning.AbstractRegion$3	0.5	0
org.apache.commons.math3.geometry.partitioning.AbstractRegion	1	7
org.apache.commons.math3.geometry.partitioning.AbstractSubHyperplane	1	5
org.apache.commons.math3.geometry.partitioning.BoundaryAttribute	1	4
org.apache.commons.math3.geometry.partitioning.BoundaryBuilder	1	1
org.apache.commons.math3.geometry.partitioning.BoundaryProjection	0.75	3
org.apache.commons.math3.geometry.partitioning.BoundaryProjector	1	1
org.apache.commons.math3.geometry.partitioning.BoundarySizeVisitor	1	1
org.apache.commons.math3.geometry.partitioning.BSPTree$1	0.99999988	1
org.apache.commons.math3.geometry.partitioning.BSPTree$2	0.5	0
org.apache.commons.math3.geometry.partitioning.BSPTree$LeafMerger	0.99999237	5
org.apache.commons.math3.geometry.partitioning.BSPTree$VanishingCutHandler	0.99999237	4
org.apache.commons.math3.geometry.partitioning.BSPTree	0.99999997	42
org.apache.commons.math3.geometry.partitioning.BSPTreeVisitor$Order	0.5	0
org.apache.commons.math3.geometry.partitioning.BSPTreeVisitor	0.99999237	14
org.apache.commons.math3.geometry.partitioning.Characterization$1	0.5	0

org.apache.commons.math3.geometry.partitioning.Characterization	1	1
org.apache.commons.math3.geometry.partitioning.Embedding	0.75	4
org.apache.commons.math3.geometry.partitioning.Hyperplane	0.75	30
org.apache.commons.math3.geometry.partitioning.InsideFinder$1	0.5	0
org.apache.commons.math3.geometry.partitioning.InsideFinder	1	1
org.apache.commons.math3.geometry.partitioning.NodesSet	0.99999999	6
org.apache.commons.math3.geometry.partitioning.Region$Location	0.5	2
org.apache.commons.math3.geometry.partitioning.Region	1	11
org.apache.commons.math3.geometry.partitioning.RegionFactory$1	0.5	4
org.apache.commons.math3.geometry.partitioning.RegionFactory$DifferenceMerger	0.99999997	1
org.apache.commons.math3.geometry.partitioning.RegionFactory$IntersectionMerger	0.99999999	1
org.apache.commons.math3.geometry.partitioning.RegionFactory$NodesCleaner	0.99999997	1
org.apache.commons.math3.geometry.partitioning.RegionFactory$UnionMerger	0.99999999	1
org.apache.commons.math3.geometry.partitioning.RegionFactory$VanishingToLeaf	0.99999994	3
org.apache.commons.math3.geometry.partitioning.RegionFactory$XorMerger	0.99999999	1
org.apache.commons.math3.geometry.partitioning.RegionFactory	1	21
org.apache.commons.math3.geometry.partitioning.Side	0.5	0
org.apache.commons.math3.geometry.partitioning.SubHyperplane$SplitSubHyperplane	0.9375	5
org.apache.commons.math3.geometry.partitioning.SubHyperplane	0.875	18
org.apache.commons.math3.geometry.partitioning.Transform	0.9921875	6
org.apache.commons.math3.geometry.partitioning.utilities.AVLTree$1	0.5	0
org.apache.commons.math3.geometry.partitioning.utilities.AVLTree$Node	0.75	2
org.apache.commons.math3.geometry.partitioning.utilities.AVLTree$Skew	0.5	0
org.apache.commons.math3.geometry.partitioning.utilities.AVLTree	0.75	2
org.apache.commons.math3.geometry.partitioning.utilities.OrderedTuple	0.5	0
org.apache.commons.math3.geometry.Point	0.5	28
org.apache.commons.math3.geometry.Space	0.5	5
org.apache.commons.math3.geometry.spherical.oned.Arc	0.99902344	4

Class	Value 1	Value 2
org.apache.commons.math3.geometry.spherical.oned.ArcsSet$1	0.5	1
org.apache.commons.math3.geometry.spherical.oned.ArcsSet$InconsistentStateAt2PiWrapping	0.984375	1
org.apache.commons.math3.geometry.spherical.oned.ArcsSet$Split	1	1
org.apache.commons.math3.geometry.spherical.oned.ArcsSet$SubArcsIterator	1	1
org.apache.commons.math3.geometry.spherical.oned.ArcsSet	1	9
org.apache.commons.math3.geometry.spherical.oned.LimitAngle	1	5
org.apache.commons.math3.geometry.spherical.oned.S1Point	1	9
org.apache.commons.math3.geometry.spherical.oned.Sphere1D$1	0.5	1
org.apache.commons.math3.geometry.spherical.oned.Sphere1D$LazyHolder	0.99902344	0
org.apache.commons.math3.geometry.spherical.oned.Sphere1D$NoSubSpaceException	0.984375	1
org.apache.commons.math3.geometry.spherical.oned.Sphere1D	0.99804688	1
org.apache.commons.math3.geometry.spherical.oned.SubLimitAngle	1	1
org.apache.commons.math3.geometry.spherical.twod.Circle$1	0.5	1
org.apache.commons.math3.geometry.spherical.twod.Circle$CircleTransform	1	1
org.apache.commons.math3.geometry.spherical.twod.Circle	1	8
org.apache.commons.math3.geometry.spherical.twod.Edge	0.99999809	3
org.apache.commons.math3.geometry.spherical.twod.EdgesBuilder	0.99999997	1
org.apache.commons.math3.geometry.spherical.twod.PropertiesComputer	1	1
org.apache.commons.math3.geometry.spherical.twod.S2Point	1	9
org.apache.commons.math3.geometry.spherical.twod.Sphere2D$1	0.5	1
org.apache.commons.math3.geometry.spherical.twod.Sphere2D$LazyHolder	0.9375	0
org.apache.commons.math3.geometry.spherical.twod.Sphere2D	0.875	1
org.apache.commons.math3.geometry.spherical.twod.SphericalPolygonsSet	1	5
org.apache.commons.math3.geometry.spherical.twod.SubCircle	1	4
org.apache.commons.math3.geometry.spherical.twod.Vertex	0.99999809	4
org.apache.commons.math3.geometry.Vector	0.75	13
org.apache.commons.math3.geometry.VectorFormat	0.875	3
org.apache.commons.math3.linear.AbstractFieldMatrix$1	1	1
org.apache.commons.math3.linear.AbstractFieldMatrix$2	1	1

org.apache.commons.math3.linear.AbstractFieldMatrix$3	1	1
org.apache.commons.math3.linear.AbstractFieldMatrix	1	6
org.apache.commons.math3.linear.AbstractRealMatrix$1	1	1
org.apache.commons.math3.linear.AbstractRealMatrix$2	1	1
org.apache.commons.math3.linear.AbstractRealMatrix$3	1	1
org.apache.commons.math3.linear.AbstractRealMatrix$4	1	1
org.apache.commons.math3.linear.AbstractRealMatrix$5	1	1
org.apache.commons.math3.linear.AbstractRealMatrix	1	9
org.apache.commons.math3.linear.AnyMatrix	0.5	3
org.apache.commons.math3.linear.Array2DRowFieldMatrix	1	15
org.apache.commons.math3.linear.Array2DRowRealMatrix	1	47
org.apache.commons.math3.linear.ArrayFieldVector	1	10
org.apache.commons.math3.linear.ArrayRealVector	1	63
org.apache.commons.math3.linear.BiDiagonalTransformer	1	1
org.apache.commons.math3.linear.BlockFieldMatrix	1	2
org.apache.commons.math3.linear.BlockRealMatrix	1	22
org.apache.commons.math3.linear.CholeskyDecomposition$1	0.5	1
org.apache.commons.math3.linear.CholeskyDecomposition$Solver	1	1
org.apache.commons.math3.linear.CholeskyDecomposition	1	4
org.apache.commons.math3.linear.ConjugateGradient	1	1
org.apache.commons.math3.linear.DecompositionSolver	1	7
org.apache.commons.math3.linear.DefaultFieldMatrixChangingVisitor	0.9375	3
org.apache.commons.math3.linear.DefaultFieldMatrixPreservingVisitor	0.9375	6
org.apache.commons.math3.linear.DefaultIterativeLinearSolverEvent	1	2
org.apache.commons.math3.linear.DefaultRealMatrixChangingVisitor	0.75	10
org.apache.commons.math3.linear.DefaultRealMatrixPreservingVisitor	0.75	9
org.apache.commons.math3.linear.DiagonalMatrix	1	17
org.apache.commons.math3.linear.EigenDecomposition$1	0.5	1
org.apache.commons.math3.linear.EigenDecomposition$Solver	1	1
org.apache.commons.math3.linear.EigenDecomposition	1	8
org.apache.commons.math3.linear.FieldDecompositionSolver	0.99975586	1
org.apache.commons.math3.linear.FieldLUDecomposition$1	0.5	1
org.apache.commons.math3.linear.FieldLUDecomposition$Solver	1	1
org.apache.commons.math3.linear.FieldLUDecomposition	1	7
org.apache.commons.math3.linear.FieldMatrix	0.99804688	15
org.apache.commons.math3.linear.FieldMatrixChangingVisitor	0.75	5
org.apache.commons.math3.linear.FieldMatrixPreservingVisitor	0.75	6
org.apache.commons.math3.linear.FieldVector	0.75	8
org.apache.commons.math3.linear.FieldVectorChangingVisitor	0.75	14

org.apache.commons.math3.linear.FieldVectorPreservingVisitor	0.75	14
org.apache.commons.math3.linear.HessenbergTransformer	1	2
org.apache.commons.math3.linear.IllConditionedOperatorException	0.984375	1
org.apache.commons.math3.linear.IterativeLinearSolver	1	1
org.apache.commons.math3.linear.IterativeLinearSolverEvent	0.9921875	1
org.apache.commons.math3.linear.JacobiPreconditioner$1	1	1
org.apache.commons.math3.linear.JacobiPreconditioner	1	1
org.apache.commons.math3.linear.LUDecomposition$1	0.5	1
org.apache.commons.math3.linear.LUDecomposition$Solver	1	1
org.apache.commons.math3.linear.LUDecomposition	1	12
org.apache.commons.math3.linear.MatrixDimensionMismatchException	0.99609375	7
org.apache.commons.math3.linear.MatrixUtils$BigFractionMatrixConverter	1	1
org.apache.commons.math3.linear.MatrixUtils$FractionMatrixConverter	1	1
org.apache.commons.math3.linear.MatrixUtils	1	0
org.apache.commons.math3.linear.NonPositiveDefiniteMatrixException	0.99902344	3
org.apache.commons.math3.linear.NonPositiveDefiniteOperatorException	0.984375	2
org.apache.commons.math3.linear.NonSelfAdjointOperatorException	0.984375	1
org.apache.commons.math3.linear.NonSquareMatrixException	0.99902344	15
org.apache.commons.math3.linear.NonSquareOperatorException	0.99902344	3
org.apache.commons.math3.linear.NonSymmetricMatrixException	0.984375	2
org.apache.commons.math3.linear.OpenMapRealMatrix	1	3
org.apache.commons.math3.linear.OpenMapRealVector$OpenMapEntry	0.99999952	1
org.apache.commons.math3.linear.OpenMapRealVector$OpenMapSparseIterator	0.99999809	1
org.apache.commons.math3.linear.OpenMapRealVector	1	4
org.apache.commons.math3.linear.PreconditionedIterativeLinearSolver	1	2
org.apache.commons.math3.linear.QRDecomposition$1	0.5	1
org.apache.commons.math3.linear.QRDecomposition$Solver	1	1
org.apache.commons.math3.linear.QRDecomposition	1	12
org.apache.commons.math3.linear.RealLinearOperator	1	23
org.apache.commons.math3.linear.RealMatrix	1	81
org.apache.commons.math3.linear.RealMatrixChangingVisitor	0.5	5
org.apache.commons.math3.linear.RealMatrixFormat	1	2
org.apache.commons.math3.linear.RealMatrixPreservingVisitor	0.5	8
org.apache.commons.math3.linear.RealVector$1	1	1

org.apache.commons.math3.linear.RealVector$2$1	0.99999809	1
org.apache.commons.math3.linear.RealVector$2$2	0.99999809	1
org.apache.commons.math3.linear.RealVector2UnmodifiableEntry	0.99993896	2
org.apache.commons.math3.linear.RealVector$2	1	4
org.apache.commons.math3.linear.RealVector$Entry	1	4
org.apache.commons.math3.linear.RealVector$SparseEntryIterator	1	1
org.apache.commons.math3.linear.RealVector	1	84
org.apache.commons.math3.linear.RealVectorChangingVisitor	0.5	8
org.apache.commons.math3.linear.RealVectorFormat	1	1
org.apache.commons.math3.linear.RealVectorPreservingVisitor	0.5	8
org.apache.commons.math3.linear.RectangularCholeskyDecomposition	1	2
org.apache.commons.math3.linear.RRQRDecomposition$1	0.5	1
org.apache.commons.math3.linear.RRQRDecomposition$Solver	1	1
org.apache.commons.math3.linear.RRQRDecomposition	1	2
org.apache.commons.math3.linear.SchurTransformer$1	0.5	1
org.apache.commons.math3.linear.SchurTransformer$ShiftInfo	0.75	1
org.apache.commons.math3.linear.SchurTransformer	1	2
org.apache.commons.math3.linear.SingularMatrixException	0.984375	6
org.apache.commons.math3.linear.SingularOperatorException	0.984375	1
org.apache.commons.math3.linear.SingularValueDecomposition$1	0.99987793	2
org.apache.commons.math3.linear.SingularValueDecomposition$Solver	1	1
org.apache.commons.math3.linear.SingularValueDecomposition	1	5
org.apache.commons.math3.linear.SparseFieldMatrix	1	2
org.apache.commons.math3.linear.SparseFieldVector	1	2
org.apache.commons.math3.linear.SparseRealMatrix	0.96875	1
org.apache.commons.math3.linear.SparseRealVector	1	1
org.apache.commons.math3.linear.SymmLQ$State	1	1
org.apache.commons.math3.linear.SymmLQ	1	1
org.apache.commons.math3.linear.TriDiagonalTransformer	1	3
org.apache.commons.math3.ml.clustering.CentroidCluster	0.9375	2
org.apache.commons.math3.ml.clustering.Cluster	0.75	4
org.apache.commons.math3.ml.clustering.Clusterable	0.5	7
org.apache.commons.math3.ml.clustering.Clusterer	0.875	4
org.apache.commons.math3.ml.clustering.DBSCANClusterer$PointStatus	0.5	0
org.apache.commons.math3.ml.clustering.DBSCANClusterer	0.99999952	1
org.apache.commons.math3.ml.clustering.DoublePoint	0.75	8
org.apache.commons.math3.ml.clustering.evaluation.ClusterEvaluator	0.99804688	2
org.apache.commons.math3.ml.clustering.evaluation.SumOfClusterVariances	1	2

org.apache.commons.math3.ml.clustering.FuzzyKMeansClusterer	1	1
org.apache.commons.math3.ml.clustering.KMeansPlusPlusClusterer$1	0.5	0
org.apache.commons.math3.ml.clustering.KMeansPlusPlusClusterer$EmptyClusterStrategy	0.5	2
org.apache.commons.math3.ml.clustering.KMeansPlusPlusClusterer	1	3
org.apache.commons.math3.ml.clustering.MultiKMeansPlusPlusClusterer	1	1
org.apache.commons.math3.ml.distance.CanberraDistance	0.75	2
org.apache.commons.math3.ml.distance.ChebyshevDistance	0.75	1
org.apache.commons.math3.ml.distance.DistanceMeasure	0.5	18
org.apache.commons.math3.ml.distance.EarthMoversDistance	0.75	1
org.apache.commons.math3.ml.distance.EuclideanDistance	0.75	11
org.apache.commons.math3.ml.distance.ManhattanDistance	0.75	1
org.apache.commons.math3.ml.neuralnet.FeatureInitializer	0.5	11
org.apache.commons.math3.ml.neuralnet.FeatureInitializerFactory$1	0.875	1
org.apache.commons.math3.ml.neuralnet.FeatureInitializerFactory$2	0.875	1
org.apache.commons.math3.ml.neuralnet.FeatureInitializerFactory	1	0
org.apache.commons.math3.ml.neuralnet.MapUtils$PairNeuronDouble$1	0.75	1
org.apache.commons.math3.ml.neuralnet.MapUtils$PairNeuronDouble	0.99975586	2
org.apache.commons.math3.ml.neuralnet.MapUtils	1	0
org.apache.commons.math3.ml.neuralnet.Network$NeuronIdentifierComparator	0.99975586	1
org.apache.commons.math3.ml.neuralnet.Network$SerializationProxy	0.99998474	1
org.apache.commons.math3.ml.neuralnet.Network	0.99999999	8
org.apache.commons.math3.ml.neuralnet.Neuron$SerializationProxy	0.99951172	1
org.apache.commons.math3.ml.neuralnet.Neuron	0.99951172	9
org.apache.commons.math3.ml.neuralnet.oned.NeuronString$SerializationProxy	0.99999905	1
org.apache.commons.math3.ml.neuralnet.oned.NeuronString	1	5
org.apache.commons.math3.ml.neuralnet.sofm.KohonenTrainingTask	1	1
org.apache.commons.math3.ml.neuralnet.sofm.KohonenUpdateAction	1	3
org.apache.commons.math3.ml.neuralnet.sofm.LearningFactorFunction	0.5	3
org.apache.commons.math3.ml.neuralnet.sofm.LearningFactorFunctionFactory$1	0.99999988	1

org.apache.commons.math3.ml.neuralnet.sofm.LearningFactorFunctionFactory$2	1	1
org.apache.commons.math3.ml.neuralnet.sofm.LearningFactorFunctionFactory	1	0
org.apache.commons.math3.ml.neuralnet.sofm.NeighbourhoodSizeFunction	0.5	3
org.apache.commons.math3.ml.neuralnet.sofm.NeighbourhoodSizeFunctionFactory$1	0.99999988	1
org.apache.commons.math3.ml.neuralnet.sofm.NeighbourhoodSizeFunctionFactory$2	1	1
org.apache.commons.math3.ml.neuralnet.sofm.NeighbourhoodSizeFunctionFactory	1	0
org.apache.commons.math3.ml.neuralnet.sofm.util.ExponentialDecayFunction	0.99999952	3
org.apache.commons.math3.ml.neuralnet.sofm.util.QuasiSigmoidDecayFunction	1	3
org.apache.commons.math3.ml.neuralnet.SquareNeighbourhood	0.5	2
org.apache.commons.math3.ml.neuralnet.twod.NeuronSquareMesh2D$1	0.5	0
org.apache.commons.math3.ml.neuralnet.twod.NeuronSquareMesh2D$HorizontalDirection	0.5	1
org.apache.commons.math3.ml.neuralnet.twod.NeuronSquareMesh2D$SerializationProxy	1	1
org.apache.commons.math3.ml.neuralnet.twod.NeuronSquareMesh2D$VerticalDirection	0.5	1
org.apache.commons.math3.ml.neuralnet.twod.NeuronSquareMesh2D	1	13
org.apache.commons.math3.ml.neuralnet.twod.util.HitHistogram	1	0
org.apache.commons.math3.ml.neuralnet.twod.util.LocationFinder$Location	0.5	1
org.apache.commons.math3.ml.neuralnet.twod.util.LocationFinder	1	5
org.apache.commons.math3.ml.neuralnet.twod.util.MapDataVisualization	1	4
org.apache.commons.math3.ml.neuralnet.twod.util.MapVisualization	1	1
org.apache.commons.math3.ml.neuralnet.twod.util.QuantizationError	1	0
org.apache.commons.math3.ml.neuralnet.twod.util.SmoothedDataHistogram	1	0
org.apache.commons.math3.ml.neuralnet.twod.util.TopographicErrorHistogram	1	0
org.apache.commons.math3.ml.neuralnet.twod.util.UnifiedDistanceMatrix	1	0
org.apache.commons.math3.ml.neuralnet.UpdateAction	0.99999999	1

org.apache.commons.math3.ode.AbstractFieldIntegrator$1	1	1
org.apache.commons.math3.ode.AbstractFieldIntegrator	1	4
org.apache.commons.math3.ode.AbstractIntegrator$1	1	1
org.apache.commons.math3.ode.AbstractIntegrator	1	9
org.apache.commons.math3.ode.AbstractParameterizable	0.99609375	4
org.apache.commons.math3.ode.ContinuousOutputFieldModel	1	1
org.apache.commons.math3.ode.ContinuousOutputModel	0.99999619	12
org.apache.commons.math3.ode.EquationsMapper	0.99902344	11
org.apache.commons.math3.ode.events.Action	0.5	0
org.apache.commons.math3.ode.events.EventFilter	0.99999999	1
org.apache.commons.math3.ode.events.EventHandler$Action	0.5	0
org.apache.commons.math3.ode.events.EventHandler	0.5	23
org.apache.commons.math3.ode.events.EventState$1	1	1
org.apache.commons.math3.ode.events.EventState$LocalMaxCountExceededException	0.99609375	1
org.apache.commons.math3.ode.events.EventState	1	4
org.apache.commons.math3.ode.events.FieldEventHandler	0.99902344	9
org.apache.commons.math3.ode.events.FieldEventState$1	1	1
org.apache.commons.math3.ode.events.FieldEventState	1	3
org.apache.commons.math3.ode.events.FilterType$1	0.99902344	1
org.apache.commons.math3.ode.events.FilterType$2	0.99902344	1
org.apache.commons.math3.ode.events.FilterType$3	0.5	0
org.apache.commons.math3.ode.events.FilterType	0.99999619	4
org.apache.commons.math3.ode.events.Transformer$1	0.75	1
org.apache.commons.math3.ode.events.Transformer$2	0.75	1
org.apache.commons.math3.ode.events.Transformer$3	0.75	1
org.apache.commons.math3.ode.events.Transformer$4	0.75	1
org.apache.commons.math3.ode.events.Transformer$5	0.75	1
org.apache.commons.math3.ode.events.Transformer	0.984375	9
org.apache.commons.math3.ode.ExpandableStatefulODE$SecondaryComponent	0.99975586	1
org.apache.commons.math3.ode.ExpandableStatefulODE	1	15
org.apache.commons.math3.ode.FieldEquationsMapper	1	37
org.apache.commons.math3.ode.FieldExpandableODE	1	16
org.apache.commons.math3.ode.FieldODEState	0.9375	17
org.apache.commons.math3.ode.FieldODEStateAndDerivative	0.9921875	59
org.apache.commons.math3.ode.FieldSecondaryEquations	0.875	2
org.apache.commons.math3.ode.FirstOrderConverter	0.875	1
org.apache.commons.math3.ode.FirstOrderDifferentialEquations	0.5	40
org.apache.commons.math3.ode.FirstOrderFieldDifferentialEquations	0.875	16
org.apache.commons.math3.ode.FirstOrderFieldIntegrator	1	4
org.apache.commons.math3.ode.FirstOrderIntegrator	0.99804688	4
org.apache.commons.math3.ode.JacobianMatrices$1	0.5	1
org.apache.commons.math3.ode.JacobianMatrices$JacobiansSecondaryEquations	1	1

org.apache.commons.math3.ode.JacobianMatrices$MainStateJacobianWrapper	0.99987793	1
org.apache.commons.math3.ode.JacobianMatrices$MismatchedEquations	0.984375	1
org.apache.commons.math3.ode.JacobianMatrices	1	2
org.apache.commons.math3.ode.MainStateJacobianProvider	0.75	4
org.apache.commons.math3.ode.MultistepFieldIntegrator$FieldNordsieckInitializer	1	1
org.apache.commons.math3.ode.MultistepFieldIntegrator$InitializationCompletedMarkerException	0.5	1
org.apache.commons.math3.ode.MultistepFieldIntegrator	1	2
org.apache.commons.math3.ode.MultistepIntegrator$1	0.99999999	1
org.apache.commons.math3.ode.MultistepIntegrator$InitializationCompletedMarkerException	0.5	1
org.apache.commons.math3.ode.MultistepIntegrator$NordsieckInitializer	1	1
org.apache.commons.math3.ode.MultistepIntegrator$NordsieckTransformer	0.5	0
org.apache.commons.math3.ode.MultistepIntegrator	1	3
org.apache.commons.math3.ode.nonstiff.AdamsBashforthFieldIntegrator	1	1
org.apache.commons.math3.ode.nonstiff.AdamsBashforthIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.AdamsFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.AdamsFieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.AdamsIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.AdamsMoultonFieldIntegrator$Corrector	1	1
org.apache.commons.math3.ode.nonstiff.AdamsMoultonFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.AdamsMoultonIntegrator$Corrector	1	1
org.apache.commons.math3.ode.nonstiff.AdamsMoultonIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.AdamsNordsieckFieldTransformer	1	0
org.apache.commons.math3.ode.nonstiff.AdamsNordsieckTransformer	1	1
org.apache.commons.math3.ode.nonstiff.AdaptiveStepsizeFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.AdaptiveStepsizeIntegrator	1	3
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaFieldStepInterpolator	1	2

org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaIntegrator	1	3
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaStepInterpolator	1	1
org.apache.commons.math3.ode.nonstiff.DormandPrince54FieldIntegrator	1	3
org.apache.commons.math3.ode.nonstiff.DormandPrince54FieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.DormandPrince54Integrator	1	5
org.apache.commons.math3.ode.nonstiff.DormandPrince54StepInterpolator	1	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853FieldIntegrator	1	5
org.apache.commons.math3.ode.nonstiff.DormandPrince853FieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.DormandPrince853Integrator	1	10
org.apache.commons.math3.ode.nonstiff.DormandPrince853StepInterpolator	1	1
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaFieldIntegrator	1	3
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaIntegrator	1	3
org.apache.commons.math3.ode.nonstiff.EulerFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.EulerFieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.EulerIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.EulerStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.FieldButcherArrayProvider	0.5	2
org.apache.commons.math3.ode.nonstiff.GillFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.GillFieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.GillIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.GillStepInterpolator	1	1
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerIntegrator	1	4
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerStepInterpolator	0.99999988	1
org.apache.commons.math3.ode.nonstiff.HighamHall54FieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.HighamHall54FieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.HighamHall54Integrator	1	2

org.apache.commons.math3.ode.nonstiff.HighamHall54StepInterpolator	1	1
org.apache.commons.math3.ode.nonstiff.LutherFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.LutherFieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.LutherIntegrator	1	3
org.apache.commons.math3.ode.nonstiff.LutherStepInterpolator	1	1
org.apache.commons.math3.ode.nonstiff.MidpointFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.MidpointFieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.MidpointIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.MidpointStepInterpolator	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegrator	1	6
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldStepInterpolator	1	11
org.apache.commons.math3.ode.nonstiff.RungeKuttaIntegrator	1	7
org.apache.commons.math3.ode.nonstiff.RungeKuttaStepInterpolator	1	12
org.apache.commons.math3.ode.nonstiff.ThreeEighthesFieldIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.ThreeEighthesFieldStepInterpolator	1	2
org.apache.commons.math3.ode.nonstiff.ThreeEighthesIntegrator	1	2
org.apache.commons.math3.ode.nonstiff.ThreeEighthesStepInterpolator	1	1
org.apache.commons.math3.ode.ODEIntegrator	0.9921875	3
org.apache.commons.math3.ode.ParameterConfiguration	0.5	1
org.apache.commons.math3.ode.Parameterizable	0.5	3
org.apache.commons.math3.ode.ParameterizedODE	0.75	5
org.apache.commons.math3.ode.ParameterizedWrapper	0.99902344	0
org.apache.commons.math3.ode.ParameterJacobianProvider	0.75	4
org.apache.commons.math3.ode.ParameterJacobianWrapper	0.984375	1
org.apache.commons.math3.ode.sampling.AbstractFieldStepInterpolator	1	4
org.apache.commons.math3.ode.sampling.AbstractStepInterpolator	0.99975586	5
org.apache.commons.math3.ode.sampling.DummyStepHandler$1	0.5	1
org.apache.commons.math3.ode.sampling.DummyStepHandler$LazyHolder	0.984375	0
org.apache.commons.math3.ode.sampling.DummyStepHandler	0.96875	1

org.apache.commons.math3.ode.sampling.FieldFixedStepHandler	0.99902344	1
org.apache.commons.math3.ode.sampling.FieldStepHandler	0.99987793	10
org.apache.commons.math3.ode.sampling.FieldStepInterpolator	0.875	13
org.apache.commons.math3.ode.sampling.FieldStepNormalizer	1	0
org.apache.commons.math3.ode.sampling.FixedStepHandler	0.5	4
org.apache.commons.math3.ode.sampling.NordsieckStepInterpolator	1	2
org.apache.commons.math3.ode.sampling.StepHandler	0.75	32
org.apache.commons.math3.ode.sampling.StepInterpolator	0.5	35
org.apache.commons.math3.ode.sampling.StepNormalizer	0.9921875	2
org.apache.commons.math3.ode.sampling.StepNormalizerBounds	0.5	3
org.apache.commons.math3.ode.sampling.StepNormalizerMode	0.5	3
org.apache.commons.math3.ode.SecondaryEquations	0.5	4
org.apache.commons.math3.ode.SecondOrderDifferentialEquations	0.5	3
org.apache.commons.math3.ode.SecondOrderIntegrator	0.99804688	0
org.apache.commons.math3.ode.UnknownParameterException	0.984375	4
org.apache.commons.math3.optim.AbstractConvergenceChecker	0.75	4
org.apache.commons.math3.optim.AbstractOptimizationProblem$1	0.5	2
org.apache.commons.math3.optim.AbstractOptimizationProblem$MaxEvalCallback	0.99951172	1
org.apache.commons.math3.optim.AbstractOptimizationProblem$MaxIterCallback	0.99951172	1
org.apache.commons.math3.optim.AbstractOptimizationProblem	1	1
org.apache.commons.math3.optim.BaseMultiStartMultivariateOptimizer	1	2
org.apache.commons.math3.optim.BaseMultivariateOptimizer	1	3
org.apache.commons.math3.optim.BaseOptimizer$1	0.5	2
org.apache.commons.math3.optim.BaseOptimizer$MaxEvalCallback	0.99951172	1
org.apache.commons.math3.optim.BaseOptimizer$MaxIterCallback	0.99951172	1
org.apache.commons.math3.optim.BaseOptimizer	1	2
org.apache.commons.math3.optim.ConvergenceChecker	0.5	26
org.apache.commons.math3.optim.InitialGuess	0.75	18
org.apache.commons.math3.optim.linear.LinearConstraint	1	3
org.apache.commons.math3.optim.linear.LinearConstraintSet	0.75	1
org.apache.commons.math3.optim.linear.LinearObjectiveFunction	1	3
org.apache.commons.math3.optim.linear.LinearOptimizer	1	1

org.apache.commons.math3.optim.linear.NoFeasibleSolutionException	0.984375	1
org.apache.commons.math3.optim.linear.NonNegativeConstraint	0.75	1
org.apache.commons.math3.optim.linear.PivotSelectionRule	0.75	0
org.apache.commons.math3.optim.linear.Relationship$1	0.5	0
org.apache.commons.math3.optim.linear.Relationship	0.5	2
org.apache.commons.math3.optim.linear.SimplexSolver	1	1
org.apache.commons.math3.optim.linear.SimplexTableau	1	3
org.apache.commons.math3.optim.linear.SolutionCallback	1	1
org.apache.commons.math3.optim.linear.UnboundedSolutionException	0.984375	1
org.apache.commons.math3.optim.MaxEval	0.99987793	22
org.apache.commons.math3.optim.MaxIter	0.99987793	1
org.apache.commons.math3.optim.nonlinear.scalar.GoalType	0.75	7
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizer$1	0.5	0
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizer$BracketingStep	0.75	0
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizer$Formula	0.5	1
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizer$IdentityPreconditioner	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizer	1	2
org.apache.commons.math3.optim.nonlinear.scalar.gradient.Preconditioner	0.5	3
org.apache.commons.math3.optim.nonlinear.scalar.GradientMultivariateOptimizer	1	1
org.apache.commons.math3.optim.nonlinear.scalar.LeastSquaresConverter	1	1
org.apache.commons.math3.optim.nonlinear.scalar.LineSearch$1	1	1
org.apache.commons.math3.optim.nonlinear.scalar.LineSearch	1	3
org.apache.commons.math3.optim.nonlinear.scalar.MultiStartMultivariateOptimizer$1	0.96875	1
org.apache.commons.math3.optim.nonlinear.scalar.MultiStartMultivariateOptimizer	0.96875	2
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapter$1	0.5	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapter$LowerBoundMapper	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapter$LowerUpperBoundMapper	1	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapter$Mapper	0.5	5

org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapter$NoBoundsMapper	0.875	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapter$UpperBoundMapper	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapter	1	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionPenaltyAdapter	0.99999905	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateOptimizer	1	8
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.AbstractSimplex	1	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizer$PathIsExploredException	0.5	0
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizer	1	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizer$DoubleIndex	0.5	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizer$FitnessFunction	1	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizer$PopulationSize	0.99987793	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizer$Sigma	0.99987793	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizer$ValuePenaltyPair	0.5	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizer	1	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.MultiDirectionalSimplex	1	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.NelderMeadSimplex	1	5
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.PowellOptimizer	1	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizer$1	0.99998474	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizer$2	0.99999237	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizer	0.99999237	7
org.apache.commons.math3.optim.nonlinear.scalar.ObjectiveFunction	0.875	10
org.apache.commons.math3.optim.nonlinear.scalar.ObjectiveFunctionGradient	0.875	2
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizer	1	5

org.apache.commons.math3.optim.nonlinear.vector.jacobian.GaussNewtonOptimizer	1	5
org.apache.commons.math3.optim.nonlinear.vector.jacobian.LevenbergMarquardtOptimizer	1	6
org.apache.commons.math3.optim.nonlinear.vector.JacobianMultivariateVectorOptimizer	1	1
org.apache.commons.math3.optim.nonlinear.vector.ModelFunction	0.875	12
org.apache.commons.math3.optim.nonlinear.vector.ModelFunctionJacobian	0.875	11
org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizer$1	1	1
org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizer	0.96875	2
org.apache.commons.math3.optim.nonlinear.vector.MultivariateVectorOptimizer	1	7
org.apache.commons.math3.optim.nonlinear.vector.Target	0.75	10
org.apache.commons.math3.optim.nonlinear.vector.Weight	1	8
org.apache.commons.math3.optim.OptimizationData	0.5	43
org.apache.commons.math3.optim.OptimizationProblem	0.5	2
org.apache.commons.math3.optim.PointValuePair$DataTransferObject	0.875	1
org.apache.commons.math3.optim.PointValuePair	0.875	19
org.apache.commons.math3.optim.PointVectorValuePair$DataTransferObject	0.875	1
org.apache.commons.math3.optim.PointVectorValuePair	0.875	12
org.apache.commons.math3.optim.SimpleBounds	0.75	9
org.apache.commons.math3.optim.SimplePointChecker	0.99996948	2
org.apache.commons.math3.optim.SimpleValueChecker	0.99999237	5
org.apache.commons.math3.optim.SimpleVectorValueChecker	0.99999237	10
org.apache.commons.math3.optim.univariate.BracketFinder	0.99999988	2
org.apache.commons.math3.optim.univariate.BrentOptimizer	1	3
org.apache.commons.math3.optim.univariate.MultiStartUnivariateOptimizer$1	1	1
org.apache.commons.math3.optim.univariate.MultiStartUnivariateOptimizer	1	2
org.apache.commons.math3.optim.univariate.SearchInterval	0.99999905	4
org.apache.commons.math3.optim.univariate.SimpleUnivariateValueChecker	0.99996948	3
org.apache.commons.math3.optim.univariate.UnivariateObjectiveFunction	0.875	3
org.apache.commons.math3.optim.univariate.UnivariateOptimizer	1	2
org.apache.commons.math3.optim.univariate.UnivariatePointValuePair	0.5	5
org.apache.commons.math3.optimization.AbstractConvergenceChecker	0.75	4

Class	Coverage	Value
org.apache.commons.math3.optimization.BaseMultivariateMultiStartOptimizer$1	1	1
org.apache.commons.math3.optimization.BaseMultivariateMultiStartOptimizer	1	4
org.apache.commons.math3.optimization.BaseMultivariateOptimizer	0.9375	7
org.apache.commons.math3.optimization.BaseMultivariateSimpleBoundsOptimizer	0.9921875	1
org.apache.commons.math3.optimization.BaseMultivariateVectorMultiStartOptimizer$1	1	1
org.apache.commons.math3.optimization.BaseMultivariateVectorMultiStartOptimizer	1	3
org.apache.commons.math3.optimization.BaseMultivariateVectorOptimizer	0.875	4
org.apache.commons.math3.optimization.BaseOptimizer	0.5	3
org.apache.commons.math3.optimization.ConvergenceChecker	0.5	16
org.apache.commons.math3.optimization.DifferentiableMultivariateMultiStartOptimizer	1	0
org.apache.commons.math3.optimization.DifferentiableMultivariateOptimizer	0.96875	2
org.apache.commons.math3.optimization.DifferentiableMultivariateVectorMultiStartOptimizer	1	0
org.apache.commons.math3.optimization.DifferentiableMultivariateVectorOptimizer	0.9375	7
org.apache.commons.math3.optimization.direct.AbstractSimplex	1	3
org.apache.commons.math3.optimization.direct.BaseAbstractMultivariateOptimizer	1	5
org.apache.commons.math3.optimization.direct.BaseAbstractMultivariateSimpleBoundsOptimizer	1	2
org.apache.commons.math3.optimization.direct.BaseAbstractMultivariateVectorOptimizer	1	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizer$PathIsExploredException	0.5	0
org.apache.commons.math3.optimization.direct.BOBYQAOptimizer	1	1
org.apache.commons.math3.optimization.direct.CMAESOptimizer$DoubleIndex	0.5	1
org.apache.commons.math3.optimization.direct.CMAESOptimizer$FitnessFunction	1	1
org.apache.commons.math3.optimization.direct.CMAESOptimizer$PopulationSize	0.99987793	1
org.apache.commons.math3.optimization.direct.CMAESOptimizer$Sigma	0.99987793	1
org.apache.commons.math3.optimization.direct.CMAESOptimizer	1	2

org.apache.commons.math3.optimization.direct.MultiDirectionalSimplex	1	1
org.apache.commons.math3.optimization.direct.MultivariateFunctionMappingAdapter$LowerBoundMapper	0.75	1
org.apache.commons.math3.optimization.direct.MultivariateFunctionMappingAdapter$LowerUpperBoundMapper	1	1
org.apache.commons.math3.optimization.direct.MultivariateFunctionMappingAdapter$Mapper	0.5	5
org.apache.commons.math3.optimization.direct.MultivariateFunctionMappingAdapter$NoBoundsMapper	0.75	1
org.apache.commons.math3.optimization.direct.MultivariateFunctionMappingAdapter$UpperBoundMapper	0.75	1
org.apache.commons.math3.optimization.direct.MultivariateFunctionMappingAdapter	1	1
org.apache.commons.math3.optimization.direct.MultivariateFunctionPenaltyAdapter	0.99999905	1
org.apache.commons.math3.optimization.direct.NelderMeadSimplex	1	4
org.apache.commons.math3.optimization.direct.PowellOptimizer$LineSearch$1	0.99999619	1
org.apache.commons.math3.optimization.direct.PowellOptimizer$LineSearch	1	2
org.apache.commons.math3.optimization.direct.PowellOptimizer	1	2
org.apache.commons.math3.optimization.direct.SimplexOptimizer$1	0.99999809	1
org.apache.commons.math3.optimization.direct.SimplexOptimizer$2	0.99999905	1
org.apache.commons.math3.optimization.direct.SimplexOptimizer	0.99999905	7
org.apache.commons.math3.optimization.fitting.CurveFitter$OldTheoreticalValuesFunction$1	0.984375	1
org.apache.commons.math3.optimization.fitting.CurveFitter$OldTheoreticalValuesFunction	0.99999237	2
org.apache.commons.math3.optimization.fitting.CurveFitter$TheoreticalValuesFunction	1	1
org.apache.commons.math3.optimization.fitting.CurveFitter	0.99999809	7
org.apache.commons.math3.optimization.fitting.GaussianFitter$1	1	1
org.apache.commons.math3.optimization.fitting.GaussianFitter$ParameterGuesser$1	1	1
org.apache.commons.math3.optimization.fitting.GaussianFitter$ParameterGuesser	1	2
org.apache.commons.math3.optimization.fitting.GaussianFitter	1	2
org.apache.commons.math3.optimization.fitting.HarmonicFitter$ParameterGuesser	0.99999994	2

org.apache.commons.math3.optimization.fitting.HarmonicFitter	1	1
org.apache.commons.math3.optimization.fitting.PolynomialFitter	0.99999999	1
org.apache.commons.math3.optimization.fitting.WeightedObservedPoint	0.5	4
org.apache.commons.math3.optimization.general.AbstractDifferentiableOptimizer	1	0
org.apache.commons.math3.optimization.general.AbstractLeastSquaresOptimizer	1	5
org.apache.commons.math3.optimization.general.AbstractScalarDifferentiableOptimizer	1	1
org.apache.commons.math3.optimization.general.ConjugateGradientFormula	0.5	1
org.apache.commons.math3.optimization.general.GaussNewtonOptimizer	1	4
org.apache.commons.math3.optimization.general.LevenbergMarquardtOptimizer	1	6
org.apache.commons.math3.optimization.general.NonLinearConjugateGradientOptimizer$IdentityPreconditioner	0.75	1
org.apache.commons.math3.optimization.general.NonLinearConjugateGradientOptimizer$LineSearchFunction	1	1
org.apache.commons.math3.optimization.general.NonLinearConjugateGradientOptimizer	1	3
org.apache.commons.math3.optimization.general.Preconditioner	0.5	3
org.apache.commons.math3.optimization.GoalType	0.5	22
org.apache.commons.math3.optimization.InitialGuess	0.75	7
org.apache.commons.math3.optimization.LeastSquaresConverter	1	1
org.apache.commons.math3.optimization.linear.AbstractLinearOptimizer	1	1
org.apache.commons.math3.optimization.linear.LinearConstraint	1	3
org.apache.commons.math3.optimization.linear.LinearObjectiveFunction	1	5
org.apache.commons.math3.optimization.linear.LinearOptimizer	1	1
org.apache.commons.math3.optimization.linear.NoFeasibleSolutionException	0.984375	1
org.apache.commons.math3.optimization.linear.Relationship$1	0.5	0
org.apache.commons.math3.optimization.linear.Relationship	0.5	2
org.apache.commons.math3.optimization.linear.SimplexSolver	1	1
org.apache.commons.math3.optimization.linear.SimplexTableau	1	2
org.apache.commons.math3.optimization.linear.UnboundedSolutionException	0.984375	1

org.apache.commons.math3.optimization.MultivariateDifferentiableMultiStartOptimizer	1	1
org.apache.commons.math3.optimization.MultivariateDifferentiableOptimizer	0.96875	2
org.apache.commons.math3.optimization.MultivariateDifferentiableVectorMultiStartOptimizer	1	1
org.apache.commons.math3.optimization.MultivariateDifferentiableVectorOptimizer	0.9375	4
org.apache.commons.math3.optimization.MultivariateMultiStartOptimizer	1	1
org.apache.commons.math3.optimization.MultivariateOptimizer	0.96875	5
org.apache.commons.math3.optimization.OptimizationData	0.5	15
org.apache.commons.math3.optimization.PointValuePair$DataTransferObject	0.875	1
org.apache.commons.math3.optimization.PointValuePair	0.875	19
org.apache.commons.math3.optimization.PointVectorValuePair$DataTransferObject	0.875	1
org.apache.commons.math3.optimization.PointVectorValuePair	0.875	11
org.apache.commons.math3.optimization.SimpleBounds	0.75	3
org.apache.commons.math3.optimization.SimplePointChecker	0.99996948	2
org.apache.commons.math3.optimization.SimpleValueChecker	0.99999237	9
org.apache.commons.math3.optimization.SimpleVectorValueChecker	0.99999237	7
org.apache.commons.math3.optimization.Target	0.75	2
org.apache.commons.math3.optimization.univariate.BaseAbstractUnivariateOptimizer	1	1
org.apache.commons.math3.optimization.univariate.BaseUnivariateOptimizer	0.9375	2
org.apache.commons.math3.optimization.univariate.BracketFinder	1	2
org.apache.commons.math3.optimization.univariate.BrentOptimizer	1	3
org.apache.commons.math3.optimization.univariate.SimpleUnivariateValueChecker	0.99996948	3
org.apache.commons.math3.optimization.univariate.UnivariateMultiStartOptimizer$1	1	1
org.apache.commons.math3.optimization.univariate.UnivariateMultiStartOptimizer	1	2
org.apache.commons.math3.optimization.univariate.UnivariateOptimizer	0.96875	1
org.apache.commons.math3.optimization.univariate.UnivariatePointValuePair	0.5	5
org.apache.commons.math3.optimization.Weight	1	2
org.apache.commons.math3.primes.PollardRho	0.5	0
org.apache.commons.math3.primes.Primes	0.984375	0
org.apache.commons.math3.primes.SmallPrimes	0.5	0

org.apache.commons.math3.random.AbstractRandomGenerator	0.99987793	2
org.apache.commons.math3.random.AbstractWell	0.99999988	6
org.apache.commons.math3.random.BitsStreamGenerator	0.99999976	4
org.apache.commons.math3.random.CorrelatedRandomVectorGenerator	1	2
org.apache.commons.math3.random.EmpiricalDistribution$1	0.5	1
org.apache.commons.math3.random.EmpiricalDistribution$ArrayDataAdapter	1	1
org.apache.commons.math3.random.EmpiricalDistribution$DataAdapter	1	3
org.apache.commons.math3.random.EmpiricalDistribution$StreamDataAdapter	1	1
org.apache.commons.math3.random.EmpiricalDistribution	1	7
org.apache.commons.math3.random.GaussianRandomGenerator	0.875	9
org.apache.commons.math3.random.HaltonSequenceGenerator	0.99999905	1
org.apache.commons.math3.random.ISAACRandom	0.99999988	3
org.apache.commons.math3.random.JDKRandomGenerator	0.75	22
org.apache.commons.math3.random.MersenneTwister	0.99999988	8
org.apache.commons.math3.random.NormalizedRandomGenerator	0.5	5
org.apache.commons.math3.random.RandomAdaptor	0.75	1
org.apache.commons.math3.random.RandomData	0.5	2
org.apache.commons.math3.random.RandomDataGenerator	1	8
org.apache.commons.math3.random.RandomDataImpl	1	4
org.apache.commons.math3.random.RandomGenerator	0.5	68
org.apache.commons.math3.random.RandomGeneratorFactory$1	0.99987793	1
org.apache.commons.math3.random.RandomGeneratorFactory	0.99993896	0
org.apache.commons.math3.random.RandomVectorGenerator	0.5	15
org.apache.commons.math3.random.SobolSequenceGenerator	1	1
org.apache.commons.math3.random.StableRandomGenerator	0.99999809	1
org.apache.commons.math3.random.SynchronizedRandomGenerator	0.75	1
org.apache.commons.math3.random.UncorrelatedRandomVectorGenerator	0.99975586	6
org.apache.commons.math3.random.UniformRandomGenerator	0.875	1
org.apache.commons.math3.random.UnitSphereRandomVectorGenerator	0.99999999	12
org.apache.commons.math3.random.ValueServer	1	1
org.apache.commons.math3.random.Well1024a	0.99999994	23
org.apache.commons.math3.random.Well19937a	0.99999994	4
org.apache.commons.math3.random.Well19937c	0.99999994	47
org.apache.commons.math3.random.Well44497a	0.99999994	1
org.apache.commons.math3.random.Well44497b	0.99999994	8
org.apache.commons.math3.random.Well512a	0.99999994	1
org.apache.commons.math3.RealFieldElement	0.75	102

org.apache.commons.math3.special.BesselJ$BesselJResult	0.5	1
org.apache.commons.math3.special.BesselJ	0.99996948	0
org.apache.commons.math3.special.Beta$1	0.99998474	1
org.apache.commons.math3.special.Beta	1	0
org.apache.commons.math3.special.Erf	0.5	0
org.apache.commons.math3.special.Gamma$1	0.99998474	1
org.apache.commons.math3.special.Gamma	1	0
org.apache.commons.math3.stat.clustering.Cluster	0.75	2
org.apache.commons.math3.stat.clustering.Clusterable	0.5	6
org.apache.commons.math3.stat.clustering.DBSCANClusterer$PointStatus	0.5	0
org.apache.commons.math3.stat.clustering.DBSCANClusterer	0.99996948	1
org.apache.commons.math3.stat.clustering.EuclideanDoublePoint	0.75	2
org.apache.commons.math3.stat.clustering.EuclideanIntegerPoint	0.75	4
org.apache.commons.math3.stat.clustering.KMeansPlusPlusClusterer$1	0.5	0
org.apache.commons.math3.stat.clustering.KMeansPlusPlusClusterer$EmptyClusterStrategy	0.5	2
org.apache.commons.math3.stat.clustering.KMeansPlusPlusClusterer	1	1
org.apache.commons.math3.stat.correlation.Covariance	1	7
org.apache.commons.math3.stat.correlation.KendallsCorrelation$1	0.99987793	1
org.apache.commons.math3.stat.correlation.KendallsCorrelation	1	2
org.apache.commons.math3.stat.correlation.PearsonsCorrelation	1	3
org.apache.commons.math3.stat.correlation.SpearmansCorrelation	1	1
org.apache.commons.math3.stat.correlation.StorelessBivariateCovariance	0.99902344	2
org.apache.commons.math3.stat.correlation.StorelessCovariance	1	2
org.apache.commons.math3.stat.descriptive.AbstractStorelessUnivariateStatistic	1	14
org.apache.commons.math3.stat.descriptive.AbstractUnivariateStatistic	1	3
org.apache.commons.math3.stat.descriptive.AggregateSummaryStatistics$AggregatingSummaryStatistics	1	1
org.apache.commons.math3.stat.descriptive.AggregateSummaryStatistics	1	1
org.apache.commons.math3.stat.descriptive.DescriptiveStatistics	1	12
org.apache.commons.math3.stat.descriptive.moment.FirstMoment	1	3

org.apache.commons.math3.stat.descriptive.moment.FourthMoment	1	3
org.apache.commons.math3.stat.descriptive.moment.GeometricMean	1	7
org.apache.commons.math3.stat.descriptive.moment.Kurtosis	1	3
org.apache.commons.math3.stat.descriptive.moment.Mean	1	17
org.apache.commons.math3.stat.descriptive.moment.SecondMoment	1	8
org.apache.commons.math3.stat.descriptive.moment.SemiVariance$Direction	0.5	1
org.apache.commons.math3.stat.descriptive.moment.SemiVariance	1	1
org.apache.commons.math3.stat.descriptive.moment.Skewness	1	3
org.apache.commons.math3.stat.descriptive.moment.StandardDeviation	1	2
org.apache.commons.math3.stat.descriptive.moment.ThirdMoment	1	3
org.apache.commons.math3.stat.descriptive.moment.Variance	1	15
org.apache.commons.math3.stat.descriptive.moment.VectorialCovariance	0.99902344	4
org.apache.commons.math3.stat.descriptive.moment.VectorialMean	1	3
org.apache.commons.math3.stat.descriptive.MultivariateSummaryStatistics	1	2
org.apache.commons.math3.stat.descriptive.rank.Max	1	6
org.apache.commons.math3.stat.descriptive.rank.Median	1	1
org.apache.commons.math3.stat.descriptive.rank.Min	1	6
org.apache.commons.math3.stat.descriptive.rank.Percentile$1	0.5	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$1	0.99998474	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$10	0.99998474	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$2	0.99999905	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$3	0.99999905	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$4	0.99998474	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$5	0.99998474	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$6	0.99998474	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$7	0.99998474	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$8	0.99998474	1

org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType$9	0.99998474	1
org.apache.commons.math3.stat.descriptive.rank.Percentile$EstimationType	1	14
org.apache.commons.math3.stat.descriptive.rank.Percentile	1	8
org.apache.commons.math3.stat.descriptive.rank.PSquarePercentile$1	0.5	2
org.apache.commons.math3.stat.descriptive.rank.PSquarePercentile$FixedCapacityList	0.5	1
org.apache.commons.math3.stat.descriptive.rank.PSquarePercentile$Marker	1	1
org.apache.commons.math3.stat.descriptive.rank.PSquarePercentile$Markers	1	1
org.apache.commons.math3.stat.descriptive.rank.PSquarePercentile$PSquareMarkers	0.5	1
org.apache.commons.math3.stat.descriptive.rank.PSquarePercentile	1	1
org.apache.commons.math3.stat.descriptive.StatisticalMultivariateSummary	0.5	1
org.apache.commons.math3.stat.descriptive.StatisticalSummary	0.5	9
org.apache.commons.math3.stat.descriptive.StatisticalSummaryValues	0.75	3
org.apache.commons.math3.stat.descriptive.StorelessUnivariateStatistic	0.875	13
org.apache.commons.math3.stat.descriptive.summary.Product	1	2
org.apache.commons.math3.stat.descriptive.summary.Sum	1	8
org.apache.commons.math3.stat.descriptive.summary.SumOfLogs	1	5
org.apache.commons.math3.stat.descriptive.summary.SumOfSquares	1	6
org.apache.commons.math3.stat.descriptive.SummaryStatistics	1	25
org.apache.commons.math3.stat.descriptive.SynchronizedDescriptiveStatistics	1	1
org.apache.commons.math3.stat.descriptive.SynchronizedMultivariateSummaryStatistics	1	1
org.apache.commons.math3.stat.descriptive.SynchronizedSummaryStatistics	1	1
org.apache.commons.math3.stat.descriptive.UnivariateStatistic	0.75	8
org.apache.commons.math3.stat.descriptive.WeightedEvaluation	0.5	3
org.apache.commons.math3.stat.Frequency$1	0.5	1
org.apache.commons.math3.stat.Frequency$NaturalComparator	0.75	1
org.apache.commons.math3.stat.Frequency	0.99609375	4
org.apache.commons.math3.stat.inference.AlternativeHypothesis	0.5	1

org.apache.commons.math3.stat.inference.BinomialTest$1	0.5	0
org.apache.commons.math3.stat.inference.BinomialTest	1	1
org.apache.commons.math3.stat.inference.ChiSquareTest	1	5
org.apache.commons.math3.stat.inference.GTest	1	2
org.apache.commons.math3.stat.inference.KolmogorovSmirnovTest	1	4
org.apache.commons.math3.stat.inference.MannWhitneyUTest	1	1
org.apache.commons.math3.stat.inference.OneWayAnova$1	0.5	1
org.apache.commons.math3.stat.inference.OneWayAnova$AnovaStats	0.75	1
org.apache.commons.math3.stat.inference.OneWayAnova	1	3
org.apache.commons.math3.stat.inference.TestUtils	1	0
org.apache.commons.math3.stat.inference.TTest	1	2
org.apache.commons.math3.stat.inference.WilcoxonSignedRankTest	1	1
org.apache.commons.math3.stat.interval.AgrestiCoullInterval	1	3
org.apache.commons.math3.stat.interval.BinomialConfidenceInterval	0.5	4
org.apache.commons.math3.stat.interval.ClopperPearsonInterval	1	3
org.apache.commons.math3.stat.interval.ConfidenceInterval	0.984375	5
org.apache.commons.math3.stat.interval.IntervalUtils	1	0
org.apache.commons.math3.stat.interval.NormalApproximationInterval	1	3
org.apache.commons.math3.stat.interval.WilsonScoreInterval	1	3
org.apache.commons.math3.stat.ranking.NaNStrategy	0.5	6
org.apache.commons.math3.stat.ranking.NaturalRanking$1	0.5	0
org.apache.commons.math3.stat.ranking.NaturalRanking$IntDoublePair	0.5	1
org.apache.commons.math3.stat.ranking.NaturalRanking	1	5
org.apache.commons.math3.stat.ranking.RankingAlgorithm	0.5	2
org.apache.commons.math3.stat.ranking.TiesStrategy	0.5	3
org.apache.commons.math3.stat.regression.AbstractMultipleLinearRegression	1	2
org.apache.commons.math3.stat.regression.GLSMultipleLinearRegression	1	1
org.apache.commons.math3.stat.regression.MillerUpdatingRegression	0.99999809	1
org.apache.commons.math3.stat.regression.ModelSpecificationException	0.9921875	2
org.apache.commons.math3.stat.regression.MultipleLinearRegression	0.5	1
org.apache.commons.math3.stat.regression.OLSMultipleLinearRegression	1	3
org.apache.commons.math3.stat.regression.RegressionResults	0.99902344	2
org.apache.commons.math3.stat.regression.SimpleRegression	1	5

org.apache.commons.math3.stat.regression.UpdatingMultipleLinearRegression	0.5	2
org.apache.commons.math3.stat.StatUtils	1	0
org.apache.commons.math3.transform.DctNormalization	0.5	2
org.apache.commons.math3.transform.DftNormalization	0.5	2
org.apache.commons.math3.transform.DstNormalization	0.5	2
org.apache.commons.math3.transform.FastCosineTransformer	1	1
org.apache.commons.math3.transform.FastFourierTransformer$1	0.5	0
org.apache.commons.math3.transform.FastFourierTransformer$MultiDimensionalComplexMatrix	0.99999988	1
org.apache.commons.math3.transform.FastFourierTransformer	1	3
org.apache.commons.math3.transform.FastHadamardTransformer	0.99951172	1
org.apache.commons.math3.transform.FastSineTransformer	1	1
org.apache.commons.math3.transform.RealTransformer	0.875	3
org.apache.commons.math3.transform.TransformType	0.5	9
org.apache.commons.math3.transform.TransformUtils	1	0
org.apache.commons.math3.util.ArithmeticUtils	0.99999619	0
org.apache.commons.math3.util.BigReal	0.9921875	1
org.apache.commons.math3.util.BigRealField$1	0.5	1
org.apache.commons.math3.util.BigRealField$LazyHolder	0.9375	0
org.apache.commons.math3.util.BigRealField	0.875	1
org.apache.commons.math3.util.CentralPivotingStrategy	0.75	1
org.apache.commons.math3.util.Combinations$1	0.5	0
org.apache.commons.math3.util.Combinations$IterationOrder	0.5	1
org.apache.commons.math3.util.Combinations$LexicographicComparator	0.99999809	1
org.apache.commons.math3.util.Combinations$LexicographicIterator	0.5	1
org.apache.commons.math3.util.Combinations$SingletonIterator	0.5	1
org.apache.commons.math3.util.Combinations	1	2
org.apache.commons.math3.util.CombinatoricsUtils	1	0
org.apache.commons.math3.util.CompositeFormat	0.5	0
org.apache.commons.math3.util.ContinuedFraction	0.99996948	3
org.apache.commons.math3.util.Decimal64	0.99975586	1
org.apache.commons.math3.util.Decimal64Field	0.75	0
org.apache.commons.math3.util.DefaultTransformer	0.99993896	4
org.apache.commons.math3.util.DoubleArray	0.5	1
org.apache.commons.math3.util.FastMath$CodyWaite	0.5	1
org.apache.commons.math3.util.FastMath$ExpFracTable	0.5	0
org.apache.commons.math3.util.FastMath$ExpIntTable	0.5	0
org.apache.commons.math3.util.FastMath$lnMant	0.5	0
org.apache.commons.math3.util.FastMath$Split	0.5	1
org.apache.commons.math3.util.FastMath	0.99609375	0
org.apache.commons.math3.util.FastMathCalc	0.99902344	0

org.apache.commons.math3.util.FastMathLiteralArrays	0.5	0
org.apache.commons.math3.util.Incrementor$1	0.99804688	1
org.apache.commons.math3.util.Incrementor$2	1	1
org.apache.commons.math3.util.Incrementor$MaxCountExceededCallback	0.5	9
org.apache.commons.math3.util.Incrementor	1	10
org.apache.commons.math3.util.IntegerSequence$Incrementor$1	0.99804688	1
org.apache.commons.math3.util.IntegerSequence$Incrementor$MaxCountExceededCallback	0.5	5
org.apache.commons.math3.util.IntegerSequence$Incrementor	1	2
org.apache.commons.math3.util.IntegerSequence$Range	0.5	1
org.apache.commons.math3.util.IntegerSequence	0.75	0
org.apache.commons.math3.util.IterationEvent	0.5	11
org.apache.commons.math3.util.IterationListener	0.75	9
org.apache.commons.math3.util.IterationManager$1	0.875	1
org.apache.commons.math3.util.IterationManager	0.99804688	4
org.apache.commons.math3.util.KthSelector	0.9375	6
org.apache.commons.math3.util.MathArrays$1	0.75	1
org.apache.commons.math3.util.MathArrays$2	0.75	1
org.apache.commons.math3.util.MathArrays$3	0.5	0
org.apache.commons.math3.util.MathArrays$Function	0.5	3
org.apache.commons.math3.util.MathArrays$OrderDirection	0.5	2
org.apache.commons.math3.util.MathArrays$PairDoubleInteger	0.5	3
org.apache.commons.math3.util.MathArrays$Position	0.5	1
org.apache.commons.math3.util.MathArrays	1	0
org.apache.commons.math3.util.MathUtils	0.99999997	0
org.apache.commons.math3.util.MedianOf3PivotingStrategy	0.75	3
org.apache.commons.math3.util.MultidimensionalCounter$Iterator	1	1
org.apache.commons.math3.util.MultidimensionalCounter	1	2
org.apache.commons.math3.util.NumberTransformer	0.5	5
org.apache.commons.math3.util.OpenIntToDoubleHashMap$1	0.5	1
org.apache.commons.math3.util.OpenIntToDoubleHashMap$Iterator	0.875	2
org.apache.commons.math3.util.OpenIntToDoubleHashMap	0.875	4
org.apache.commons.math3.util.OpenIntToFieldHashMap$1	0.5	1
org.apache.commons.math3.util.OpenIntToFieldHashMap$Iterator	0.96875	1
org.apache.commons.math3.util.OpenIntToFieldHashMap	0.96875	4
org.apache.commons.math3.util.Pair	0.5	36
org.apache.commons.math3.util.PivotingStrategyInterface	0.5	5
org.apache.commons.math3.util.Precision	0.99951172	0
org.apache.commons.math3.util.RandomPivotingStrategy	0.875	1
org.apache.commons.math3.util.ResizableDoubleArray$1	0.5	0
org.apache.commons.math3.util.ResizableDoubleArray$ExpansionMode	0.5	1

org.apache.commons.math3.util.ResizableDoubleArray	1	3
org.apache.commons.math3.util.TransformerMap	0.99998474	2
org.apache.commons.math3.analysis.differentiation.DerivativeStructureTest	1	0
org.apache.commons.math3.analysis.differentiation.DSCompilerTest	0.5	0
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$1	0.875	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$2	0.875	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$3	0.99902344	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$4	0.99902344	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$5	0.99902344	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$6	0.99999952	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$7	0.875	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$8	0.875	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest$9	0.875	1
org.apache.commons.math3.analysis.differentiation.FiniteDifferencesDifferentiatorTest	1	9
org.apache.commons.math3.analysis.differentiation.GradientFunctionTest$1	0.5	1
org.apache.commons.math3.analysis.differentiation.GradientFunctionTest$EuclideanDistance	0.9375	1
org.apache.commons.math3.analysis.differentiation.GradientFunctionTest	1	0
org.apache.commons.math3.analysis.differentiation.JacobianFunctionTest$SphereMapping	1	1
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org.apache.commons.math3.analysis.function.GaussianTest	1	0
org.apache.commons.math3.analysis.function.HarmonicOscillatorTest	1	0
org.apache.commons.math3.analysis.function.LogisticTest	1	0
org.apache.commons.math3.analysis.function.LogitTest	1	0
org.apache.commons.math3.analysis.function.SigmoidTest	1	0
org.apache.commons.math3.analysis.function.SincTest$1	0.984375	1
org.apache.commons.math3.analysis.function.SincTest$2	0.984375	1
org.apache.commons.math3.analysis.function.SincTest	1	2

org.apache.commons.math3.analysis.function.SqrtTest$1	0.875	1
org.apache.commons.math3.analysis.function.SqrtTest$2	0.875	1
org.apache.commons.math3.analysis.function.SqrtTest	1	2
org.apache.commons.math3.analysis.function.StepFunctionTest	0.99999999	0
org.apache.commons.math3.analysis.FunctionUtilsTest$1	0.99999237	1
org.apache.commons.math3.analysis.FunctionUtilsTest$2$1	0.96875	1
org.apache.commons.math3.analysis.FunctionUtilsTest$2$2	0.96875	1
org.apache.commons.math3.analysis.FunctionUtilsTest$2	0.99999952	3
org.apache.commons.math3.analysis.FunctionUtilsTest	1	2
org.apache.commons.math3.analysis.integration.gauss.BaseRuleFactoryTest	0.99999999	0
org.apache.commons.math3.analysis.integration.gauss.DummyRuleFactory	0.99999994	1
org.apache.commons.math3.analysis.integration.gauss.GaussianQuadratureAbstractTest	1	3
org.apache.commons.math3.analysis.integration.gauss.GaussIntegratorTest	1	0
org.apache.commons.math3.analysis.integration.gauss.HermiteParametricTest	1	0
org.apache.commons.math3.analysis.integration.gauss.HermiteTest$1	1	1
org.apache.commons.math3.analysis.integration.gauss.HermiteTest$2	1	1
org.apache.commons.math3.analysis.integration.gauss.HermiteTest$3	1	1
org.apache.commons.math3.analysis.integration.gauss.HermiteTest	1	3
org.apache.commons.math3.analysis.integration.gauss.LegendreHighPrecisionParametricTest	1	0
org.apache.commons.math3.analysis.integration.gauss.LegendreHighPrecisionTest	1	0
org.apache.commons.math3.analysis.integration.gauss.LegendreParametricTest	1	0
org.apache.commons.math3.analysis.integration.gauss.LegendreTest	1	0
org.apache.commons.math3.analysis.integration.gauss.RuleBuilder	0.99999997	1
org.apache.commons.math3.analysis.integration.IterativeLegendreGaussIntegratorTest$1	0.875	1
org.apache.commons.math3.analysis.integration.IterativeLegendreGaussIntegratorTest	1	1
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org.apache.commons.math3.analysis.integration.LegendreGaussIntegratorTest	1	1
org.apache.commons.math3.analysis.integration.MidPointIntegratorTest	1	0

org.apache.commons.math3.analysis.integration.RombergIntegratorTest	1	0
org.apache.commons.math3.analysis.integration.SimpsonIntegratorTest	1	0
org.apache.commons.math3.analysis.integration.TrapezoidIntegratorTest	1	0
org.apache.commons.math3.analysis.interpolation.AkimaSplineInterpolatorTest$1	1	1
org.apache.commons.math3.analysis.interpolation.AkimaSplineInterpolatorTest$2	1	1
org.apache.commons.math3.analysis.interpolation.AkimaSplineInterpolatorTest$3	1	1
org.apache.commons.math3.analysis.interpolation.AkimaSplineInterpolatorTest	1	3
org.apache.commons.math3.analysis.interpolation.BicubicInterpolatingFunctionTest$1	1	1
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org.apache.commons.math3.analysis.interpolation.BicubicSplineInterpolatorTest	1	2
org.apache.commons.math3.analysis.interpolation.DividedDifferenceInterpolatorTest	1	0
org.apache.commons.math3.analysis.interpolation.FieldHermiteInterpolatorTest	1	0
org.apache.commons.math3.analysis.interpolation.HermiteInterpolatorTest	1	0
org.apache.commons.math3.analysis.interpolation.LinearInterpolatorTest	1	0
org.apache.commons.math3.analysis.interpolation.LoessInterpolatorTest	1	0
org.apache.commons.math3.analysis.interpolation.MicrosphereInterpolatorTest$1	0.875	1

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org.apache.commons.math3.analysis.interpolation.MicrosphereProjectionInterpolatorTest$1	1	1
org.apache.commons.math3.analysis.interpolation.MicrosphereProjectionInterpolatorTest	1	1
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org.apache.commons.math3.analysis.interpolation.PiecewiseBicubicSplineInterpolatingFunctionTest$2	1	1
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org.apache.commons.math3.analysis.interpolation.PiecewiseBicubicSplineInterpolatorTest$2	0.99999999	1
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org.apache.commons.math3.analysis.interpolation.SmoothingPolynomialBicubicSplineInterpolatorTest$1	0.875	1
org.apache.commons.math3.analysis.interpolation.SmoothingPolynomialBicubicSplineInterpolatorTest$2	0.875	1
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org.apache.commons.math3.analysis.interpolation.TricubicInterpolatorTest$1	0.875	1
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org.apache.commons.math3.analysis.interpolation.TricubicInterpolatorTest	0.99999988	2
org.apache.commons.math3.analysis.interpolation.TricubicSplineInterpolatingFunctionTest$1	1	1
org.apache.commons.math3.analysis.interpolation.TricubicSplineInterpolatingFunctionTest$2	1	1
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org.apache.commons.math3.analysis.polynomials.PolynomialFunctionNe wtonFormTest	1	0
org.apache.commons.math3.analysis.polynomials.PolynomialFunctionTe st	1	0
org.apache.commons.math3.analysis.polynomials.PolynomialSplineFunct ionTest	1	0
org.apache.commons.math3.analysis.polynomials.PolynomialsUtilsTest$ 1	0.9375	1
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org.apache.commons.math3.analysis.QuinticFunction	1	21
org.apache.commons.math3.analysis.solvers.BaseSecantSolverAbstractT est	1	5
org.apache.commons.math3.analysis.solvers.BisectionSolverTest	1	0

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org.apache.commons.math3.analysis.solvers.BracketingNthOrderBrentSolverTest$3	1	1
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org.apache.commons.math3.analysis.solvers.BracketingNthOrderBrentSolverTest$7	1	1
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org.apache.commons.math3.analysis.solvers.BracketingNthOrderBrentSolverTest	1	7
org.apache.commons.math3.analysis.solvers.BrentSolverTest$1	1	1
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org.apache.commons.math3.analysis.solvers.FieldBracketingNthOrderBrentSolverTest$1	1	1
org.apache.commons.math3.analysis.solvers.FieldBracketingNthOrderBrentSolverTest$2	1	1
org.apache.commons.math3.analysis.solvers.FieldBracketingNthOrderBrentSolverTest$3	1	1
org.apache.commons.math3.analysis.solvers.FieldBracketingNthOrderBrentSolverTest$4	1	1
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org.apache.commons.math3.analysis.solvers.FieldBracketingNthOrderBrentSolverTest$7	1	1
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org.apache.commons.math3.analysis.solvers.IllinoisSolverTest	1	0
org.apache.commons.math3.analysis.solvers.LaguerreSolverTest	1	0
org.apache.commons.math3.analysis.solvers.MullerSolver2Test	1	0
org.apache.commons.math3.analysis.solvers.MullerSolverTest	1	0
org.apache.commons.math3.analysis.solvers.NewtonRaphsonSolverTest	1	0
org.apache.commons.math3.analysis.solvers.NewtonSolverTest$1$1	1	1

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org.apache.commons.math3.analysis.solvers.NewtonSolverTest	0.99999999	1
org.apache.commons.math3.analysis.solvers.PegasusSolverTest	1	0
org.apache.commons.math3.analysis.solvers.RegulaFalsiSolverTest$1	1	1
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org.apache.commons.math3.analysis.solvers.RiddersSolverTest	1	0
org.apache.commons.math3.analysis.solvers.SecantSolverTest	1	0
org.apache.commons.math3.analysis.solvers.UnivariateSolverUtilsTest$1	0.875	1
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org.apache.commons.math3.analysis.solvers.UnivariateSolverUtilsTest	0.96875	2
org.apache.commons.math3.analysis.SumSincFunction	1	2
org.apache.commons.math3.analysis.XMinus5Function	1	1
org.apache.commons.math3.complex.ComplexFieldTest	0.5	0
org.apache.commons.math3.complex.ComplexFormatAbstractTest	1	2
org.apache.commons.math3.complex.ComplexFormatTest	1	0
org.apache.commons.math3.complex.ComplexTest$TestComplex	0.99993896	1
org.apache.commons.math3.complex.ComplexTest	1	0
org.apache.commons.math3.complex.ComplexUtilsTest	0.99993896	0
org.apache.commons.math3.complex.FrenchComplexFormatTest	1	0
org.apache.commons.math3.complex.QuaternionTest	1	0
org.apache.commons.math3.complex.RootsOfUnityTest	0.99999997	0
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest$1	0.99999988	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest$2	0.99999988	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest$3	0.99999988	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest$4	0.99999988	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest$5	0.99999988	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest$6	0.99999988	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest$7	0.99999988	1
org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest$8	0.5	0

org.apache.commons.math3.dfp.BracketingNthOrderBrentSolverDFPTest	1	7
org.apache.commons.math3.dfp.Decimal10	1	1
org.apache.commons.math3.dfp.DfpDecTest	1	0
org.apache.commons.math3.dfp.DfpMathTest	1	0
org.apache.commons.math3.dfp.DfpTest	1	0
org.apache.commons.math3.distribution.AbstractIntegerDistributionTest$DiceDistribution	1	1
org.apache.commons.math3.distribution.AbstractIntegerDistributionTest	0.75	1
org.apache.commons.math3.distribution.AbstractRealDistributionTest$1	1	1
org.apache.commons.math3.distribution.AbstractRealDistributionTest$2$1	1	1
org.apache.commons.math3.distribution.AbstractRealDistributionTest$2$2	1	1
org.apache.commons.math3.distribution.AbstractRealDistributionTest$2	1	3
org.apache.commons.math3.distribution.AbstractRealDistributionTest	1	2
org.apache.commons.math3.distribution.BetaDistributionTest	1	0
org.apache.commons.math3.distribution.BinomialDistributionTest	1	1
org.apache.commons.math3.distribution.CauchyDistributionTest	1	0
org.apache.commons.math3.distribution.ChiSquaredDistributionTest	1	0
org.apache.commons.math3.distribution.ConstantRealDistributionTest	1	0
org.apache.commons.math3.distribution.EnumeratedIntegerDistributionTest	1	0
org.apache.commons.math3.distribution.EnumeratedRealDistributionTest$1	1	1
org.apache.commons.math3.distribution.EnumeratedRealDistributionTest$2	1	1
org.apache.commons.math3.distribution.EnumeratedRealDistributionTest	1	2
org.apache.commons.math3.distribution.ExponentialDistributionTest	1	0
org.apache.commons.math3.distribution.FDistributionTest	1	0
org.apache.commons.math3.distribution.fitting.MultivariateNormalMixtureExpectationMaximizationTest	1	0
org.apache.commons.math3.distribution.GammaDistributionTest	1	0
org.apache.commons.math3.distribution.GeometricDistributionTest	1	0

org.apache.commons.math3.distribution.GumbelDistributionTest	1	0
org.apache.commons.math3.distribution.HypergeometricDistributionTest	1	1
org.apache.commons.math3.distribution.IntegerDistributionAbstractTest	0.75	7
org.apache.commons.math3.distribution.KolmogorovSmirnovDistributionTest	1	0
org.apache.commons.math3.distribution.LaplaceDistributionTest	1	0
org.apache.commons.math3.distribution.LevyDistributionTest	1	0
org.apache.commons.math3.distribution.LogisticsDistributionTest	1	0
org.apache.commons.math3.distribution.LogNormalDistributionTest	1	0
org.apache.commons.math3.distribution.MultivariateNormalDistributionTest	1	0
org.apache.commons.math3.distribution.MultivariateNormalMixtureModelDistribution	1	1
org.apache.commons.math3.distribution.MultivariateNormalMixtureModelDistributionTest	1	0
org.apache.commons.math3.distribution.NakagamiDistributionTest	1	0
org.apache.commons.math3.distribution.NormalDistributionTest	1	0
org.apache.commons.math3.distribution.ParetoDistributionTest	1	0
org.apache.commons.math3.distribution.PascalDistributionTest	1	1
org.apache.commons.math3.distribution.PoissonDistributionTest	1	0
org.apache.commons.math3.distribution.RealDistributionAbstractTest$1	0.9375	1
org.apache.commons.math3.distribution.RealDistributionAbstractTest	1	20
org.apache.commons.math3.distribution.TDistributionTest	1	0
org.apache.commons.math3.distribution.TriangularDistributionTest	1	0
org.apache.commons.math3.distribution.UniformIntegerDistributionTest	1	0
org.apache.commons.math3.distribution.UniformRealDistributionTest	1	0
org.apache.commons.math3.distribution.WeibullDistributionTest	1	0
org.apache.commons.math3.distribution.ZipfDistributionTest$1	1	1
org.apache.commons.math3.distribution.ZipfDistributionTest	1	2
org.apache.commons.math3.exception.DimensionMismatchExceptionTest	0.99902344	0

org.apache.commons.math3.exception.MaxCountExceededExceptionTest	0.99609375	0
org.apache.commons.math3.exception.NonMonotonicSequenceExceptionTest	0.99902344	0
org.apache.commons.math3.exception.NotPositiveExceptionTest	0.99975586	0
org.apache.commons.math3.exception.NotStrictlyPositiveExceptionTest	0.99975586	0
org.apache.commons.math3.exception.NumberIsTooLargeExceptionTest	0.99902344	0
org.apache.commons.math3.exception.NumberIsTooSmallExceptionTest	0.99902344	0
org.apache.commons.math3.exception.OutOfRangeExceptionTest	0.99902344	0
org.apache.commons.math3.exception.TooManyEvaluationsExceptionTest	0.99804688	0
org.apache.commons.math3.exception.util.ArgUtilsTest	0.5	0
org.apache.commons.math3.exception.util.ExceptionContextTest$Unserializable	0.5	1
org.apache.commons.math3.exception.util.ExceptionContextTest	0.9375	0
org.apache.commons.math3.exception.util.LocalizedFormatsTest	0.5	0
org.apache.commons.math3.ExtendedFieldElementAbstractTest	1	4
org.apache.commons.math3.filter.KalmanFilterTest$Cannonball	0.5	1
org.apache.commons.math3.filter.KalmanFilterTest	1	0
org.apache.commons.math3.fitting.CurveFitterTest$1	0.875	2
org.apache.commons.math3.fitting.CurveFitterTest$SimpleInverseFunction	0.9375	1
org.apache.commons.math3.fitting.CurveFitterTest	0.99999999	1
org.apache.commons.math3.fitting.GaussianCurveFitterTest	0.875	0
org.apache.commons.math3.fitting.GaussianFitterTest	1	0
org.apache.commons.math3.fitting.HarmonicCurveFitterTest	1	0
org.apache.commons.math3.fitting.HarmonicFitterTest	1	0
org.apache.commons.math3.fitting.leastsquares.AbstractLeastSquaresOptimizerAbstractTest$1	1	1
org.apache.commons.math3.fitting.leastsquares.AbstractLeastSquaresOptimizerAbstractTest$2	0.9375	1
org.apache.commons.math3.fitting.leastsquares.AbstractLeastSquaresOptimizerAbstractTest$LinearProblem$1	0.875	1
org.apache.commons.math3.fitting.leastsquares.AbstractLeastSquaresOptimizerAbstractTest$LinearProblem$2	0.875	1
org.apache.commons.math3.fitting.leastsquares.AbstractLeastSquaresOptimizerAbstractTest$LinearProblem	1	5
org.apache.commons.math3.fitting.leastsquares.AbstractLeastSquaresOptimizerAbstractTest	1	8

org.apache.commons.math3.fitting.leastsquares.CircleProblem$1	0.875	1
org.apache.commons.math3.fitting.leastsquares.CircleProblem$2	0.875	1
org.apache.commons.math3.fitting.leastsquares.CircleProblem	0.96875	3
org.apache.commons.math3.fitting.leastsquares.CircleVectorial$1	0.99999952	1
org.apache.commons.math3.fitting.leastsquares.CircleVectorial$2	0.99999952	1
org.apache.commons.math3.fitting.leastsquares.CircleVectorial	0.99999988	8
org.apache.commons.math3.fitting.leastsquares.EvaluationRmsCheckerTest$1	0.75	1
org.apache.commons.math3.fitting.leastsquares.EvaluationRmsCheckerTest	0.984375	0
org.apache.commons.math3.fitting.leastsquares.EvaluationTest$1	1	1
org.apache.commons.math3.fitting.leastsquares.EvaluationTest$2	1	1
org.apache.commons.math3.fitting.leastsquares.EvaluationTest$3	1	1
org.apache.commons.math3.fitting.leastsquares.EvaluationTest$4	1	1
org.apache.commons.math3.fitting.leastsquares.EvaluationTest$5	1	1
org.apache.commons.math3.fitting.leastsquares.EvaluationTest$6	0.875	1
org.apache.commons.math3.fitting.leastsquares.EvaluationTest$7	0.875	1
org.apache.commons.math3.fitting.leastsquares.EvaluationTest	1	7
org.apache.commons.math3.fitting.leastsquares.EvaluationTestValidation	1	0
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizerWithCholeskyTest	1	0
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizerWithLUTest	1	0
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizerWithQRTest	1	0
org.apache.commons.math3.fitting.leastsquares.GaussNewtonOptimizerWithSVDTest	1	0
org.apache.commons.math3.fitting.leastsquares.LevenbergMarquardtOptimizerTest$1	1	1
org.apache.commons.math3.fitting.leastsquares.LevenbergMarquardtOptimizerTest$2	0.9375	1
org.apache.commons.math3.fitting.leastsquares.LevenbergMarquardtOptimizerTest$BevingtonProblem$1	0.875	1
org.apache.commons.math3.fitting.leastsquares.LevenbergMarquardtOptimizerTest$BevingtonProblem$2	0.875	1

org.apache.commons.math3.fitting.leastsquares.LevenbergMarquardtOptimizerTest$BevingtonProblem	0.96875	3
org.apache.commons.math3.fitting.leastsquares.LevenbergMarquardtOptimizerTest	0.99975586	2
org.apache.commons.math3.fitting.leastsquares.MinpackTest$BardFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$Box3DimensionalFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$BrownAlmostLinearFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$BrownDennisFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$ChebyquadFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$FreudensteinRothFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$HelicalValleyFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$JennrichSampsonFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$KowalikOsborneFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$LinearFullRankFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$LinearRank1Function	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$LinearRank1ZeroColsAndRowsFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$MeyerFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$MinpackFunction$1	0.875	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$MinpackFunction$2	0.875	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$MinpackFunction	0.96875	21
org.apache.commons.math3.fitting.leastsquares.MinpackTest$Osborne1Function	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$Osborne2Function	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$PowellSingularFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$RosenbrockFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest$WatsonFunction	0.984375	1
org.apache.commons.math3.fitting.leastsquares.MinpackTest	1	0

org.apache.commons.math3.fitting.leastsquares.RandomCirclePointGenerator	1	1
org.apache.commons.math3.fitting.leastsquares.RandomStraightLinePointGenerator	1	1
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDataset$LeastSquaresProblem$1	0.875	1
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDataset$LeastSquaresProblem$2	0.875	1
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDataset$LeastSquaresProblem	0.984375	3
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDataset	0.75	8
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDatasetFactory$1	0.875	1
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDatasetFactory$2	0.875	1
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDatasetFactory$3	0.875	1
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDatasetFactory$4	0.875	1
org.apache.commons.math3.fitting.leastsquares.StatisticalReferenceDatasetFactory	0.99996948	0
org.apache.commons.math3.fitting.leastsquares.StraightLineProblem$1	0.96875	1
org.apache.commons.math3.fitting.leastsquares.StraightLineProblem$2	0.875	1
org.apache.commons.math3.fitting.leastsquares.StraightLineProblem$Model	0.75	1
org.apache.commons.math3.fitting.leastsquares.StraightLineProblem	0.9921875	3
org.apache.commons.math3.fitting.PolynomialCurveFitterTest	1	0
org.apache.commons.math3.fitting.PolynomialFitterTest	1	0
org.apache.commons.math3.fitting.SimpleCurveFitterTest	1	0
org.apache.commons.math3.fitting.WeightedObservedPointsTest	0.9375	0
org.apache.commons.math3.fraction.BigFractionFieldTest	0.5	0
org.apache.commons.math3.fraction.BigFractionFormatTest	1	0
org.apache.commons.math3.fraction.BigFractionTest	1	0
org.apache.commons.math3.fraction.FractionFieldTest	0.5	0
org.apache.commons.math3.fraction.FractionFormatTest	0.99999988	0
org.apache.commons.math3.fraction.FractionTest	0.99999988	0
org.apache.commons.math3.genetics.BinaryChromosomeTest	0.99999237	0
org.apache.commons.math3.genetics.BinaryMutationTest	1	0
org.apache.commons.math3.genetics.ChromosomeTest$1	0.9375	1
org.apache.commons.math3.genetics.ChromosomeTest$2	0.9375	1
org.apache.commons.math3.genetics.ChromosomeTest$3	0.9375	1
org.apache.commons.math3.genetics.ChromosomeTest$4	0.75	1

org.apache.commons.math3.genetics.ChromosomeTest$5	0.75	1
org.apache.commons.math3.genetics.ChromosomeTest$6	0.75	1
org.apache.commons.math3.genetics.ChromosomeTest$7	0.75	1
org.apache.commons.math3.genetics.ChromosomeTest$8	0.75	1
org.apache.commons.math3.genetics.ChromosomeTest$9	0.75	1
org.apache.commons.math3.genetics.ChromosomeTest$DummyChromosome	0.9375	5
org.apache.commons.math3.genetics.ChromosomeTest	0.99902344	9
org.apache.commons.math3.genetics.CycleCrossoverTest$1	0.9375	1
org.apache.commons.math3.genetics.CycleCrossoverTest$2	0.9375	1
org.apache.commons.math3.genetics.CycleCrossoverTest	0.875	2
org.apache.commons.math3.genetics.DummyBinaryChromosome	0.99998474	9
org.apache.commons.math3.genetics.DummyListChromosome	0.96875	2
org.apache.commons.math3.genetics.DummyRandomKey	1	2
org.apache.commons.math3.genetics.ElitisticListPopulationTest$DummyChromosome	0.9375	1
org.apache.commons.math3.genetics.ElitisticListPopulationTest	1	0
org.apache.commons.math3.genetics.FitnessCachingTest$DummyCountingBinaryChromosome	0.99999237	1
org.apache.commons.math3.genetics.FitnessCachingTest	1	0
org.apache.commons.math3.genetics.FixedElapsedTimeTest$1	0.96875	1
org.apache.commons.math3.genetics.FixedElapsedTimeTest	0.75	1
org.apache.commons.math3.genetics.FixedGenerationCountTest$1	0.96875	1
org.apache.commons.math3.genetics.FixedGenerationCountTest	0.75	1
org.apache.commons.math3.genetics.GeneticAlgorithmTestBinary$FindOnes	0.99998474	1
org.apache.commons.math3.genetics.GeneticAlgorithmTestBinary	1	0
org.apache.commons.math3.genetics.GeneticAlgorithmTestPermutations$MinPermutations	1	1
org.apache.commons.math3.genetics.GeneticAlgorithmTestPermutations	1	0
org.apache.commons.math3.genetics.ListPopulationTest$1	0.9375	1
org.apache.commons.math3.genetics.ListPopulationTest$10	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest$11	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest$12	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest$13	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest$2	0.9375	1
org.apache.commons.math3.genetics.ListPopulationTest$3	0.9375	1
org.apache.commons.math3.genetics.ListPopulationTest$4	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest$5	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest$6	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest$7	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest$8	0.75	1

org.apache.commons.math3.genetics.ListPopulationTest$9	0.75	1
org.apache.commons.math3.genetics.ListPopulationTest	0.99993896	13
org.apache.commons.math3.genetics.NPointCrossoverTest$1	0.9375	1
org.apache.commons.math3.genetics.NPointCrossoverTest$2	0.9375	1
org.apache.commons.math3.genetics.NPointCrossoverTest	0.875	2
org.apache.commons.math3.genetics.OnePointCrossoverTest	1	0
org.apache.commons.math3.genetics.OrderedCrossoverTest$1	0.9375	1
org.apache.commons.math3.genetics.OrderedCrossoverTest$2	0.9375	1
org.apache.commons.math3.genetics.OrderedCrossoverTest	0.875	2
org.apache.commons.math3.genetics.RandomKeyMutationTest	1	0
org.apache.commons.math3.genetics.RandomKeyTest$1	0.75	1
org.apache.commons.math3.genetics.RandomKeyTest$2	0.75	1
org.apache.commons.math3.genetics.RandomKeyTest	0.875	2
org.apache.commons.math3.genetics.TournamentSelectionTest$Dummy Chromosome	0.9375	1
org.apache.commons.math3.genetics.TournamentSelectionTest	1	0
org.apache.commons.math3.genetics.UniformCrossoverTest$1	0.9375	1
org.apache.commons.math3.genetics.UniformCrossoverTest$2	0.9375	1
org.apache.commons.math3.genetics.UniformCrossoverTest	0.875	2
org.apache.commons.math3.geometry.enclosing.WelzlEncloser2DTest	1	0
org.apache.commons.math3.geometry.enclosing.WelzlEncloser3DTest	1	0
org.apache.commons.math3.geometry.euclidean.oned.Euclidean1DTest	0.5	0
org.apache.commons.math3.geometry.euclidean.oned.FrenchVector1DFormatTest	1	0
org.apache.commons.math3.geometry.euclidean.oned.IntervalsSetTest	1	0
org.apache.commons.math3.geometry.euclidean.oned.IntervalTest	0.99951172	0
org.apache.commons.math3.geometry.euclidean.oned.Vector1DFormatAbstractTest	1	2
org.apache.commons.math3.geometry.euclidean.oned.Vector1DFormatTest	1	0
org.apache.commons.math3.geometry.euclidean.oned.Vector1DTest	0.99999988	0
org.apache.commons.math3.geometry.euclidean.threed.Euclidean3DTest	0.5	0
org.apache.commons.math3.geometry.euclidean.threed.FieldRotationDfpTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.FieldRotationDSTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.FieldVector3DTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.FrenchVector3DFormatTest	1	0

org.apache.commons.math3.geometry.euclidean.threed.LineTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.PlaneTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.PLYParser$1	0.5	0
org.apache.commons.math3.geometry.euclidean.threed.PLYParser$Field	0.5	1
org.apache.commons.math3.geometry.euclidean.threed.PLYParser$Token	0.5	0
org.apache.commons.math3.geometry.euclidean.threed.PLYParser	1	1
org.apache.commons.math3.geometry.euclidean.threed.PolyhedronsSetTest$1	1	1
org.apache.commons.math3.geometry.euclidean.threed.PolyhedronsSetTest	1	1
org.apache.commons.math3.geometry.euclidean.threed.RotationOrderTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.RotationTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.SphereGeneratorTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.SphericalCoordinatesTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.SubLineTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.Vector3DFormatAbstractTest	1	2
org.apache.commons.math3.geometry.euclidean.threed.Vector3DFormatTest	1	0
org.apache.commons.math3.geometry.euclidean.threed.Vector3DTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.DiskGeneratorTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.Euclidean2DTest	0.5	0
org.apache.commons.math3.geometry.euclidean.twod.FrenchVector2DFormatTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.hull.AklToussaintHeuristicTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.hull.ConvexHullGenerator2DAbstractTest	1	2
org.apache.commons.math3.geometry.euclidean.twod.hull.MonotoneChainTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.LineTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.PolygonsSetTest$1	0.5	1

org.apache.commons.math3.geometry.euclidean.twod.PolygonsSetTest$Counter$1	0.99999905	1
org.apache.commons.math3.geometry.euclidean.twod.PolygonsSetTest$Counter	0.9375	2
org.apache.commons.math3.geometry.euclidean.twod.PolygonsSetTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.SegmentTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.SubLineTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.Vector2DFormatAbstractTest	1	2
org.apache.commons.math3.geometry.euclidean.twod.Vector2DFormatTest	1	0
org.apache.commons.math3.geometry.euclidean.twod.Vector2DTest	1	0
org.apache.commons.math3.geometry.partitioning.RegionDumper$1	1	1
org.apache.commons.math3.geometry.partitioning.RegionDumper$2	1	1
org.apache.commons.math3.geometry.partitioning.RegionDumper$3	1	1
org.apache.commons.math3.geometry.partitioning.RegionDumper$4	1	1
org.apache.commons.math3.geometry.partitioning.RegionDumper$5	1	1
org.apache.commons.math3.geometry.partitioning.RegionDumper$TreeDumper	1	5
org.apache.commons.math3.geometry.partitioning.RegionDumper	1	0
org.apache.commons.math3.geometry.partitioning.RegionParser$1	1	1
org.apache.commons.math3.geometry.partitioning.RegionParser$2	1	1
org.apache.commons.math3.geometry.partitioning.RegionParser$3	1	1
org.apache.commons.math3.geometry.partitioning.RegionParser$4	1	1
org.apache.commons.math3.geometry.partitioning.RegionParser$5	1	1
org.apache.commons.math3.geometry.partitioning.RegionParser$TreeBuilder	0.99999999	5
org.apache.commons.math3.geometry.partitioning.RegionParser	1	0
org.apache.commons.math3.geometry.partitioning.utilities.AVLTreeTest	0.96875	0

org.apache.commons.math3.geometry.spherical.oned.ArcsSetTest	1	0
org.apache.commons.math3.geometry.spherical.oned.ArcTest	0.99951172	0
org.apache.commons.math3.geometry.spherical.oned.LimitAngleTest	1	0
org.apache.commons.math3.geometry.spherical.oned.S1PointTest	1	0
org.apache.commons.math3.geometry.spherical.oned.Sphere1Test	0.5	0
org.apache.commons.math3.geometry.spherical.twod.CircleTest	1	0
org.apache.commons.math3.geometry.spherical.twod.S2PointTest	1	0
org.apache.commons.math3.geometry.spherical.twod.SphericalPolygonsSetTest	1	0
org.apache.commons.math3.geometry.spherical.twod.SubCircleTest	1	0
org.apache.commons.math3.linear.Array2DRowRealMatrixTest$1	0.5	2
org.apache.commons.math3.linear.Array2DRowRealMatrixTest$GetVisitor	0.9375	1
org.apache.commons.math3.linear.Array2DRowRealMatrixTest$SetVisitor	0.9375	1
org.apache.commons.math3.linear.Array2DRowRealMatrixTest	1	0
org.apache.commons.math3.linear.ArrayFieldVectorTest$1	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$10	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$11	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$12	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$2	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$3	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$4	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$5	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$6	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$7	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$8	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$9	1	1
org.apache.commons.math3.linear.ArrayFieldVectorTest$FieldVectorTestImpl	0.9375	2
org.apache.commons.math3.linear.ArrayFieldVectorTest	1	12
org.apache.commons.math3.linear.ArrayRealVectorTest	1	0
org.apache.commons.math3.linear.BiDiagonalTransformerTest	1	0
org.apache.commons.math3.linear.BlockFieldMatrixTest$GetVisitor	1	1
org.apache.commons.math3.linear.BlockFieldMatrixTest$SetVisitor	1	1
org.apache.commons.math3.linear.BlockFieldMatrixTest	1	0
org.apache.commons.math3.linear.BlockRealMatrixTest$1	0.5	2

org.apache.commons.math3.linear.BlockRealMatrixTest$GetVisitor	0.9375	1
org.apache.commons.math3.linear.BlockRealMatrixTest$SetVisitor	0.9375	1
org.apache.commons.math3.linear.BlockRealMatrixTest	1	0
org.apache.commons.math3.linear.CholeskyDecompositionTest	1	0
org.apache.commons.math3.linear.CholeskySolverTest	1	0
org.apache.commons.math3.linear.ConjugateGradientTest$1	1	1
org.apache.commons.math3.linear.ConjugateGradientTest$2	1	1
org.apache.commons.math3.linear.ConjugateGradientTest$3	1	1
org.apache.commons.math3.linear.ConjugateGradientTest$4	1	1
org.apache.commons.math3.linear.ConjugateGradientTest$5	1	1
org.apache.commons.math3.linear.ConjugateGradientTest$6	0.96875	1
org.apache.commons.math3.linear.ConjugateGradientTest$7	0.984375	1
org.apache.commons.math3.linear.ConjugateGradientTest$8	0.984375	1
org.apache.commons.math3.linear.ConjugateGradientTest	1	8
org.apache.commons.math3.linear.DiagonalMatrixTest	1	0
org.apache.commons.math3.linear.EigenDecompositionTest	1	0
org.apache.commons.math3.linear.EigenSolverTest	1	0
org.apache.commons.math3.linear.FieldLUDecompositionTest	1	0
org.apache.commons.math3.linear.FieldLUSolverTest	1	0
org.apache.commons.math3.linear.FieldMatrixImplTest$GetVisitor	1	1
org.apache.commons.math3.linear.FieldMatrixImplTest$SetVisitor	1	1
org.apache.commons.math3.linear.FieldMatrixImplTest	1	0
org.apache.commons.math3.linear.FrenchRealVectorFormatTest	1	0
org.apache.commons.math3.linear.HessenbergTransformerTest	1	0
org.apache.commons.math3.linear.HilbertMatrix	1	2
org.apache.commons.math3.linear.InverseHilbertMatrix	1	2
org.apache.commons.math3.linear.LUDecompositionTest	1	0
org.apache.commons.math3.linear.LUSolverTest	1	0
org.apache.commons.math3.linear.MatrixDimensionMismatchException Test	0.99804688	0
org.apache.commons.math3.linear.MatrixUtilsTest	1	0
org.apache.commons.math3.linear.OpenMapRealMatrixTest	1	0
org.apache.commons.math3.linear.QRDecompositionTest$1	0.9375	1
org.apache.commons.math3.linear.QRDecompositionTest$2	0.9375	1
org.apache.commons.math3.linear.QRDecompositionTest$3	0.9375	1
org.apache.commons.math3.linear.QRDecompositionTest	1	3
org.apache.commons.math3.linear.QRSolverTest$1	0.9375	1
org.apache.commons.math3.linear.QRSolverTest$2	0.9375	1
org.apache.commons.math3.linear.QRSolverTest	0.9921875	2
org.apache.commons.math3.linear.RealMatrixFormatAbstractTest	1	1
org.apache.commons.math3.linear.RealMatrixFormatTest	1	0

org.apache.commons.math3.linear.RealVectorAbstractTest$1	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$10	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$11	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$12	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$13	0.5	0
org.apache.commons.math3.linear.RealVectorAbstractTest$2	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$3	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$4	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$5	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$6	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$7	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$8	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$9	0.99999237	1
org.apache.commons.math3.linear.RealVectorAbstractTest$BinaryOperation	0.5	1
org.apache.commons.math3.linear.RealVectorAbstractTest$RealVectorTestImpl	1	10
org.apache.commons.math3.linear.RealVectorAbstractTest	1	15
org.apache.commons.math3.linear.RealVectorFormatAbstractTest	1	2
org.apache.commons.math3.linear.RealVectorFormatTest	1	0
org.apache.commons.math3.linear.RealVectorTest	1	0
org.apache.commons.math3.linear.RectangularCholeskyDecompositionTest	1	0
org.apache.commons.math3.linear.RRQRDecompositionTest$1	0.9375	1
org.apache.commons.math3.linear.RRQRDecompositionTest$2	0.9375	1
org.apache.commons.math3.linear.RRQRDecompositionTest$3	0.9375	1
org.apache.commons.math3.linear.RRQRDecompositionTest	1	3
org.apache.commons.math3.linear.RRQRSolverTest$1	0.9375	1
org.apache.commons.math3.linear.RRQRSolverTest$2	0.9375	1
org.apache.commons.math3.linear.RRQRSolverTest	0.9921875	2
org.apache.commons.math3.linear.SchurTransformerTest	1	0
org.apache.commons.math3.linear.SingularValueDecompositionTest	1	0
org.apache.commons.math3.linear.SingularValueSolverTest	1	0
org.apache.commons.math3.linear.SparseFieldMatrixTest	1	0
org.apache.commons.math3.linear.SparseFieldVectorTest$1	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$10	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$11	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$12	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$2	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$3	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$4	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$5	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$6	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$7	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest$8	1	1

org.apache.commons.math3.linear.SparseFieldVectorTest$9	1	1
org.apache.commons.math3.linear.SparseFieldVectorTest	1	12
org.apache.commons.math3.linear.SparseRealMatrixTest	1	0
org.apache.commons.math3.linear.SparseRealVectorTest	1	0
org.apache.commons.math3.linear.SymmLQTest$1	1	1
org.apache.commons.math3.linear.SymmLQTest$2	1	1
org.apache.commons.math3.linear.SymmLQTest$3	1	1
org.apache.commons.math3.linear.SymmLQTest$4	1	1
org.apache.commons.math3.linear.SymmLQTest$5	1	1
org.apache.commons.math3.linear.SymmLQTest$6	1	1
org.apache.commons.math3.linear.SymmLQTest$7	1	1
org.apache.commons.math3.linear.SymmLQTest$8	0.984375	1
org.apache.commons.math3.linear.SymmLQTest$9	0.984375	1
org.apache.commons.math3.linear.SymmLQTest	1	9
org.apache.commons.math3.linear.TriDiagonalTransformerTest	1	0
org.apache.commons.math3.linear.UnmodifiableArrayRealVectorTest	1	0
org.apache.commons.math3.linear.UnmodifiableOpenMapRealVectorTest	1	0
org.apache.commons.math3.linear.UnmodifiableRealVectorAbstractTest	1	2
org.apache.commons.math3.ml.clustering.DBSCANClustererTest	0.99999994	0
org.apache.commons.math3.ml.clustering.evaluation.SumOfClusterVariancesTest	1	0
org.apache.commons.math3.ml.clustering.FuzzyKMeansClustererTest	1	0
org.apache.commons.math3.ml.clustering.KMeansPlusPlusClustererTest$1	0.5	1
org.apache.commons.math3.ml.clustering.KMeansPlusPlusClustererTest$CloseDistance	1	1
org.apache.commons.math3.ml.clustering.KMeansPlusPlusClustererTest	1	1
org.apache.commons.math3.ml.clustering.MultiKMeansPlusPlusClustererTest	1	0
org.apache.commons.math3.ml.distance.CanberraDistanceTest	0.875	0
org.apache.commons.math3.ml.distance.ChebyshevDistanceTest	0.875	0
org.apache.commons.math3.ml.distance.EarthMoversDistanceTest	0.875	0
org.apache.commons.math3.ml.distance.EuclideanDistanceTest	0.875	0
org.apache.commons.math3.ml.distance.ManhattanDistanceTest	0.875	0
org.apache.commons.math3.ml.neuralnet.MapUtilsTest	1	0
org.apache.commons.math3.ml.neuralnet.NetworkTest	1	0
org.apache.commons.math3.ml.neuralnet.NeuronTest	0.99975586	0

org.apache.commons.math3.ml.neuralnet.OffsetFeatureInitializer	0.75	2
org.apache.commons.math3.ml.neuralnet.oned.NeuronStringTest	1	0
org.apache.commons.math3.ml.neuralnet.sofm.City	0.5	2
org.apache.commons.math3.ml.neuralnet.sofm.KohonenTrainingTaskTest	1	0
org.apache.commons.math3.ml.neuralnet.sofm.KohonenUpdateActionTest	1	0
org.apache.commons.math3.ml.neuralnet.sofm.LearningFactorFunctionFactoryTest	0.5	0
org.apache.commons.math3.ml.neuralnet.sofm.NeighbourhoodSizeFunctionFactoryTest	0.5	0
org.apache.commons.math3.ml.neuralnet.sofm.TravellingSalesmanSolver$1	1	1
org.apache.commons.math3.ml.neuralnet.sofm.TravellingSalesmanSolver	1	2
org.apache.commons.math3.ml.neuralnet.sofm.util.ExponentialDecayFunctionTest	0.99999976	0
org.apache.commons.math3.ml.neuralnet.sofm.util.QuasiSigmoidDecayFunctionTest	1	0
org.apache.commons.math3.ml.neuralnet.twod.NeuronSquareMesh2DTest	1	0
org.apache.commons.math3.ml.neuralnet.twod.util.LocationFinderTest	1	0
org.apache.commons.math3.ode.ContinuousOutputFieldModelTest$1	1	1
org.apache.commons.math3.ode.ContinuousOutputFieldModelTest$2	1	1
org.apache.commons.math3.ode.ContinuousOutputFieldModelTest	1	2
org.apache.commons.math3.ode.ContinuousOutputModelTest$1	1	1
org.apache.commons.math3.ode.ContinuousOutputModelTest	1	1
org.apache.commons.math3.ode.events.CloseEventsTest$Equation	0.75	1
org.apache.commons.math3.ode.events.CloseEventsTest$TimeDetector	0.75	1
org.apache.commons.math3.ode.events.CloseEventsTest	1	0
org.apache.commons.math3.ode.events.EventFilterTest$1	0.5	1
org.apache.commons.math3.ode.events.EventFilterTest$Event	0.75	1
org.apache.commons.math3.ode.events.EventFilterTest$SineCosine	0.875	1
org.apache.commons.math3.ode.events.EventFilterTest	1	0
org.apache.commons.math3.ode.events.EventStateTest$1	1	1
org.apache.commons.math3.ode.events.EventStateTest$2	1	1
org.apache.commons.math3.ode.events.EventStateTest$3	1	1

org.apache.commons.math3.ode.events.EventStateTest$4	1	1
org.apache.commons.math3.ode.events.EventStateTest$5	1	1
org.apache.commons.math3.ode.events.EventStateTest$CloseEventsGen erator	1	1
org.apache.commons.math3.ode.events.EventStateTest$ResettingEvent	0.75	1
org.apache.commons.math3.ode.events.EventStateTest$SecondaryState Event	0.75	1
org.apache.commons.math3.ode.events.EventStateTest	1	6
org.apache.commons.math3.ode.events.OverlappingEventsTest$Event	1	1
org.apache.commons.math3.ode.events.OverlappingEventsTest	1	1
org.apache.commons.math3.ode.events.ReappearingEventTest$1	0.5	1
org.apache.commons.math3.ode.events.ReappearingEventTest$Event	0.75	1
org.apache.commons.math3.ode.events.ReappearingEventTest$Ode	0.875	1
org.apache.commons.math3.ode.events.ReappearingEventTest	1	0
org.apache.commons.math3.ode.FieldExpandableODETest$1	0.5	1
org.apache.commons.math3.ode.FieldExpandableODETest$Linear	0.99951172	1
org.apache.commons.math3.ode.FieldExpandableODETest	1	0
org.apache.commons.math3.ode.FirstOrderConverterTest$Equations	0.75	1
org.apache.commons.math3.ode.FirstOrderConverterTest	1	0
org.apache.commons.math3.ode.JacobianMatricesTest$Brusselator	0.99987793	1
org.apache.commons.math3.ode.JacobianMatricesTest$Circle	0.99987793	1
org.apache.commons.math3.ode.JacobianMatricesTest$ParamBrusselato r	0.99975586	1
org.apache.commons.math3.ode.JacobianMatricesTest$ParameterizedCi rcle	0.99999619	1
org.apache.commons.math3.ode.JacobianMatricesTest	1	0
org.apache.commons.math3.ode.nonstiff.AdamsBashforthFieldIntegrator Test	1	0
org.apache.commons.math3.ode.nonstiff.AdamsBashforthIntegratorTest $PerfectInterpolator	0.96875	1
org.apache.commons.math3.ode.nonstiff.AdamsBashforthIntegratorTest $PerfectStarter	1	1
org.apache.commons.math3.ode.nonstiff.AdamsBashforthIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.AdamsFieldIntegratorAbstractT est$PerfectInterpolator	0.99999994	1
org.apache.commons.math3.ode.nonstiff.AdamsFieldIntegratorAbstractT est$PerfectStarter	1	1

org.apache.commons.math3.ode.nonstiff.AdamsFieldIntegratorAbstractTest	1	2
org.apache.commons.math3.ode.nonstiff.AdamsMoultonFieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.AdamsMoultonIntegratorTest$PerfectInterpolator	0.96875	1
org.apache.commons.math3.ode.nonstiff.AdamsMoultonIntegratorTest$PerfectStarter	1	1
org.apache.commons.math3.ode.nonstiff.AdamsMoultonIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.AdamsNordsieckTransformerTest	1	0
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaFieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaIntegratorTest$1	1	1
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaIntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaIntegratorTest$3	1	1
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaIntegratorTest$4	1	1
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaIntegratorTest$5	1	1
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaIntegratorTest$KeplerHandler	0.99609375	1
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaIntegratorTest	1	5
org.apache.commons.math3.ode.nonstiff.ClassicalRungeKuttaStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.ClassicalRungKuttaFieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.DormandPrince54FieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.DormandPrince54FieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.DormandPrince54IntegratorTest$DP54SmallLastHandler	0.9375	1
org.apache.commons.math3.ode.nonstiff.DormandPrince54IntegratorTest$KeplerHandler	0.99609375	1
org.apache.commons.math3.ode.nonstiff.DormandPrince54IntegratorTest$VariableHandler	0.9375	1
org.apache.commons.math3.ode.nonstiff.DormandPrince54IntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.DormandPrince54StepInterpolatorTest$1	0.99999999	1

org.apache.commons.math3.ode.nonstiff.DormandPrince54StepInterpolatorTest	0.99999999	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853FieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.DormandPrince853FieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.DormandPrince853IntegratorTest$1	1	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853IntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853IntegratorTest$3	1	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853IntegratorTest$4	1	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853IntegratorTest$KeplerHandler	0.99609375	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853IntegratorTest$SchedulingChecker	0.96875	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853IntegratorTest$VariableHandler	0.9375	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853IntegratorTest	1	4
org.apache.commons.math3.ode.nonstiff.DormandPrince853StepInterpolatorTest$1	0.99999999	1
org.apache.commons.math3.ode.nonstiff.DormandPrince853StepInterpolatorTest	0.99999999	1
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaFieldIntegratorAbstractTest$1	1	1
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaFieldIntegratorAbstractTest$2	1	1
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaFieldIntegratorAbstractTest$3	1	1
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaFieldIntegratorAbstractTest$KeplerHandler	1	1
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaFieldIntegratorAbstractTest$LocalException	0.5	2
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaFieldIntegratorAbstractTest$SinCos	1	1
org.apache.commons.math3.ode.nonstiff.EmbeddedRungeKuttaFieldIntegratorAbstractTest	1	6
org.apache.commons.math3.ode.nonstiff.EulerFieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.EulerFieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.EulerIntegratorTest$1	1	1
org.apache.commons.math3.ode.nonstiff.EulerIntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.EulerIntegratorTest	1	2

org.apache.commons.math3.ode.nonstiff.EulerStepInterpolatorTest$DummyIntegrator	1	1
org.apache.commons.math3.ode.nonstiff.EulerStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.GillFieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.GillFieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.GillIntegratorTest$1	1	1
org.apache.commons.math3.ode.nonstiff.GillIntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.GillIntegratorTest$KeplerStepHandler	0.99609375	1
org.apache.commons.math3.ode.nonstiff.GillIntegratorTest	1	2
org.apache.commons.math3.ode.nonstiff.GillStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerIntegratorTest$1	1	1
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerIntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerIntegratorTest$3	1	1
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerIntegratorTest$KeplerStepHandler	0.99609375	1
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerIntegratorTest$VariableStepHandler	0.9375	1
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerIntegratorTest	1	3
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerStepInterpolatorTest$1	0.99999999	1
org.apache.commons.math3.ode.nonstiff.GraggBulirschStoerStepInterpolatorTest	0.99999999	1
org.apache.commons.math3.ode.nonstiff.HighamHall54FieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.HighamHall54FieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.HighamHall54IntegratorTest$1	1	2
org.apache.commons.math3.ode.nonstiff.HighamHall54IntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.HighamHall54IntegratorTest$3	1	1
org.apache.commons.math3.ode.nonstiff.HighamHall54IntegratorTest$LocalException	0.875	2
org.apache.commons.math3.ode.nonstiff.HighamHall54IntegratorTest	1	3
org.apache.commons.math3.ode.nonstiff.HighamHall54StepInterpolatorTest$1	0.99999999	1

org.apache.commons.math3.ode.nonstiff.HighamHall54StepInterpolatorTest	0.99999999	1
org.apache.commons.math3.ode.nonstiff.LutherFieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.LutherFieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.LutherIntegratorTest$1	1	1
org.apache.commons.math3.ode.nonstiff.LutherIntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.LutherIntegratorTest$3	1	1
org.apache.commons.math3.ode.nonstiff.LutherIntegratorTest$4	1	1
org.apache.commons.math3.ode.nonstiff.LutherIntegratorTest$KeplerHandler	0.99609375	1
org.apache.commons.math3.ode.nonstiff.LutherIntegratorTest	1	4
org.apache.commons.math3.ode.nonstiff.LutherStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.MidpointFieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.MidpointFieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.MidpointIntegratorTest$1	1	1
org.apache.commons.math3.ode.nonstiff.MidpointIntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.MidpointIntegratorTest	1	2
org.apache.commons.math3.ode.nonstiff.MidpointStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegratorAbstractTest$1	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegratorAbstractTest$2	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegratorAbstractTest$3	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegratorAbstractTest$4	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegratorAbstractTest$5	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegratorAbstractTest$KeplerHandler	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegratorAbstractTest$SinCos	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldIntegratorAbstractTest	1	11

org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldStepInterpolatorAbstractTest$1	1	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldStepInterpolatorAbstractTest$SinCos	0.9921875	1
org.apache.commons.math3.ode.nonstiff.RungeKuttaFieldStepInterpolatorAbstractTest	1	10
org.apache.commons.math3.ode.nonstiff.StepFieldProblem	0.99999994	1
org.apache.commons.math3.ode.nonstiff.StepProblem	0.875	3
org.apache.commons.math3.ode.nonstiff.ThreeEighthesFieldIntegratorTest	1	0
org.apache.commons.math3.ode.nonstiff.ThreeEighthesFieldStepInterpolatorTest	1	0
org.apache.commons.math3.ode.nonstiff.ThreeEighthesIntegratorTest$1	1	1
org.apache.commons.math3.ode.nonstiff.ThreeEighthesIntegratorTest$2	1	1
org.apache.commons.math3.ode.nonstiff.ThreeEighthesIntegratorTest$KeplerHandler	0.99609375	1
org.apache.commons.math3.ode.nonstiff.ThreeEighthesIntegratorTest	1	2
org.apache.commons.math3.ode.nonstiff.ThreeEighthesStepInterpolatorTest	1	0
org.apache.commons.math3.ode.sampling.DummyFieldStepInterpolator	1	1
org.apache.commons.math3.ode.sampling.DummyStepInterpolator	0.99999988	4
org.apache.commons.math3.ode.sampling.DummyStepInterpolatorTest$1	0.5	1
org.apache.commons.math3.ode.sampling.DummyStepInterpolatorTest$BadStepInterpolator	0.99999999	1
org.apache.commons.math3.ode.sampling.DummyStepInterpolatorTest$LocalException	0.75	1
org.apache.commons.math3.ode.sampling.DummyStepInterpolatorTest	1	0
org.apache.commons.math3.ode.sampling.NordsieckStepInterpolatorTest	1	0
org.apache.commons.math3.ode.sampling.StepInterpolatorTestUtils$1	0.9375	1
org.apache.commons.math3.ode.sampling.StepInterpolatorTestUtils$2	0.99999999	1
org.apache.commons.math3.ode.sampling.StepInterpolatorTestUtils	1	0
org.apache.commons.math3.ode.sampling.StepNormalizerOutputOverlapTest	1	0
org.apache.commons.math3.ode.sampling.StepNormalizerOutputTest	1	0

org.apache.commons.math3.ode.sampling.StepNormalizerOutputTestBase	1	2
org.apache.commons.math3.ode.sampling.StepNormalizerTest$1	0.99993896	1
org.apache.commons.math3.ode.sampling.StepNormalizerTest$2	0.99993896	1
org.apache.commons.math3.ode.sampling.StepNormalizerTest	0.99998474	2
org.apache.commons.math3.ode.TestFieldProblem1	0.99996948	6
org.apache.commons.math3.ode.TestFieldProblem2	0.99996948	1
org.apache.commons.math3.ode.TestFieldProblem3	0.99996948	5
org.apache.commons.math3.ode.TestFieldProblem4$Bounce	0.99999994	1
org.apache.commons.math3.ode.TestFieldProblem4$Stop	0.99999905	1
org.apache.commons.math3.ode.TestFieldProblem4	1	2
org.apache.commons.math3.ode.TestFieldProblem5	0.99999237	3
org.apache.commons.math3.ode.TestFieldProblem6	0.99996948	2
org.apache.commons.math3.ode.TestFieldProblemAbstract	0.99951172	9
org.apache.commons.math3.ode.TestFieldProblemHandler	1	3
org.apache.commons.math3.ode.TestProblem1	0.9375	18
org.apache.commons.math3.ode.TestProblem2	0.9375	6
org.apache.commons.math3.ode.TestProblem3	0.9375	30
org.apache.commons.math3.ode.TestProblem4$Bounce	0.75	1
org.apache.commons.math3.ode.TestProblem4$Stop	0.75	1
org.apache.commons.math3.ode.TestProblem4	0.99804688	10
org.apache.commons.math3.ode.TestProblem5	0.96875	12
org.apache.commons.math3.ode.TestProblem6	0.9375	8
org.apache.commons.math3.ode.TestProblemAbstract	0.875	18
org.apache.commons.math3.ode.TestProblemHandler	0.99993896	12
org.apache.commons.math3.optim.linear.SimplexSolverTest$1	0.5	0
org.apache.commons.math3.optim.linear.SimplexSolverTest	1	0
org.apache.commons.math3.optim.linear.SimplexTableauTest	1	0
org.apache.commons.math3.optim.nonlinear.scalar.gradient.CircleScalar$1	0.99999999	1
org.apache.commons.math3.optim.nonlinear.scalar.gradient.CircleScalar$2	0.99999999	1
org.apache.commons.math3.optim.nonlinear.scalar.gradient.CircleScalar	1	4
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizerTest$1	0.99999952	1
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizerTest$LinearProblem$1	0.99804688	1
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizerTest$LinearProblem$2	0.99804688	1
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizerTest$LinearProblem	1	3
org.apache.commons.math3.optim.nonlinear.scalar.gradient.NonLinearConjugateGradientOptimizerTest	1	1

org.apache.commons.math3.optim.nonlinear.scalar.MultiStartMultivariateOptimizerTest$Rosenbrock	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.MultiStartMultivariateOptimizerTest	1	0
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapterTest$BiQuadratic	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionMappingAdapterTest	1	0
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionPenaltyAdapterTest$BiQuadratic	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.MultivariateFunctionPenaltyAdapterTest	1	0
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$1	0.5	6
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$Ackley	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$Basis	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$Cigar	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$CigTab	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$DiffPow	0.875	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$Elli	0.75	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$ElliRotated	0.9375	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$MinusElli	0.96875	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$Rastrigin	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$Rosen	0.875	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$Sphere	0.875	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$SsDiffPow	0.984375	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$Tablet	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest$TwoAxes	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.BOBYQAOptimizerTest	1	0
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$1	1	7

org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$2	1	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$Ackley	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$Basis	0.875	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$Cigar	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$CigTab	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$DiffPow	0.9375	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$Elli	0.75	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$ElliRotated	0.875	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$MinusElli	0.984375	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$Rastrigin	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$Rosen	0.9375	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$Sphere	0.9375	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$SsDiffPow	0.984375	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$Tablet	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest$TwoAxes	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.CMAESOptimizerTest	1	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.PowellOptimizerTest$1	0.99999999	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.PowellOptimizerTest$2	0.99999999	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.PowellOptimizerTest$3	0.99999999	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.PowellOptimizerTest$4	0.99999999	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.PowellOptimizerTest	1	4
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerMultiDirectionalTest$1	0.99999999	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerMultiDirectionalTest$2	0.99999999	1

org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerMultiDirectionalTest$FourExtrema	0.9375	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerMultiDirectionalTest$Gaussian2D	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerMultiDirectionalTest	1	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerNelderMeadTest$1	1	2
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerNelderMeadTest$2	1	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerNelderMeadTest$3	1	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerNelderMeadTest$FourExtrema	0.9375	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerNelderMeadTest$Powell	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerNelderMeadTest$Rosenbrock	0.75	1
org.apache.commons.math3.optim.nonlinear.scalar.noderiv.SimplexOptimizerNelderMeadTest	1	3
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerAbstractTest$1	0.99999999	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerAbstractTest$2	0.99999999	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerAbstractTest$LinearProblem$1	0.99951172	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerAbstractTest$LinearProblem$2	0.99951172	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerAbstractTest$LinearProblem	1	4
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerAbstractTest	1	4
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerTest$1	1	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerTest	1	0
org.apache.commons.math3.optim.nonlinear.vector.jacobian.AbstractLeastSquaresOptimizerTestValidation	1	0
org.apache.commons.math3.optim.nonlinear.vector.jacobian.CircleProblem$1	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.CircleProblem$2	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.CircleProblem	0.99951172	3
org.apache.commons.math3.optim.nonlinear.vector.jacobian.CircleVectorial$1	0.99999999	1

org.apache.commons.math3.optim.nonlinear.vector.jacobian.CircleVectorial$2	0.99999999	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.CircleVectorial	1	5
org.apache.commons.math3.optim.nonlinear.vector.jacobian.DummyOptimizer	1	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.GaussNewtonOptimizerTest	1	0
org.apache.commons.math3.optim.nonlinear.vector.jacobian.LevenbergMarquardtOptimizerTest$BevingtonProblem$1	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.LevenbergMarquardtOptimizerTest$BevingtonProblem$2	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.LevenbergMarquardtOptimizerTest$BevingtonProblem	0.99951172	3
org.apache.commons.math3.optim.nonlinear.vector.jacobian.LevenbergMarquardtOptimizerTest	1	0
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$BardFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$Box3DimensionalFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$BrownAlmostLinearFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$BrownDennisFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$ChebyquadFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$FreudensteinRothFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$HelicalValleyFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$JennrichSampsonFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$KowalikOsborneFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$LinearFullRankFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$LinearRank1Function	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$LinearRank1ZeroColsAndRowsFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$MeyerFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$MinpackFunction$1	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$MinpackFunction$2	0.99804688	1

org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$MinpackFunction	0.99987793	21
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$Osborne1Function	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$Osborne2Function	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$PowellSingularFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$RosenbrockFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest$WatsonFunction	0.99993896	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.MinpackTest	1	0
org.apache.commons.math3.optim.nonlinear.vector.jacobian.RandomCirclePointGenerator	1	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.RandomStraightLinePointGenerator	1	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDataset$LeastSquaresProblem$1	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDataset$LeastSquaresProblem$2	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDataset$LeastSquaresProblem	0.99975586	3
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDataset	0.99609375	7
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDatasetFactory$1	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDatasetFactory$2	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDatasetFactory$3	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDatasetFactory$4	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StatisticalReferenceDatasetFactory	1	0
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StraightLineProblem$1	0.99951172	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StraightLineProblem$2	0.99804688	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StraightLineProblem$Model	0.75	1
org.apache.commons.math3.optim.nonlinear.vector.jacobian.StraightLineProblem	0.99987793	3
org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizerTest$1	1	2

org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizerTest$2	1	1
org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizerTest$LinearProblem$1	0.99951172	1
org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizerTest$LinearProblem$2	0.99951172	1
org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizerTest$LinearProblem	1	3
org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizerTest$TestException	0.875	1
org.apache.commons.math3.optim.nonlinear.vector.MultiStartMultivariateVectorOptimizerTest	1	2
org.apache.commons.math3.optim.PointValuePairTest	0.9375	0
org.apache.commons.math3.optim.PointVectorValuePairTest	0.9375	0
org.apache.commons.math3.optim.SimplePointCheckerTest	0.99999809	0
org.apache.commons.math3.optim.SimpleValueCheckerTest	0.99999952	0
org.apache.commons.math3.optim.SimpleVectorValueCheckerTest	0.99999952	0
org.apache.commons.math3.optim.univariate.BracketFinderTest$1	0.99999999	1
org.apache.commons.math3.optim.univariate.BracketFinderTest$2	0.99999999	1
org.apache.commons.math3.optim.univariate.BracketFinderTest$3	0.99999999	1
org.apache.commons.math3.optim.univariate.BracketFinderTest$4	0.99999999	1
org.apache.commons.math3.optim.univariate.BracketFinderTest	1	4
org.apache.commons.math3.optim.univariate.BrentOptimizerTest$1	1	1
org.apache.commons.math3.optim.univariate.BrentOptimizerTest$2	1	1
org.apache.commons.math3.optim.univariate.BrentOptimizerTest	1	2
org.apache.commons.math3.optim.univariate.MultiStartUnivariateOptimizerTest$1	1	2
org.apache.commons.math3.optim.univariate.MultiStartUnivariateOptimizerTest$LocalException	0.875	1
org.apache.commons.math3.optim.univariate.MultiStartUnivariateOptimizerTest	1	1
org.apache.commons.math3.optim.univariate.SimpleUnivariateValueCheckerTest	0.99999237	0
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$1	0.5	6
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$Ackley	0.75	1

org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ Basis	0.75	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ Cigar	0.75	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ CigTab	0.75	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ DiffPow	0.875	2
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ Elli	0.75	2
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ ElliRotated	0.9375	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ MinusElli	0.96875	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ Rastrigin	0.75	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ Rosen	0.875	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ Sphere	0.875	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ SsDiffPow	0.984375	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ Tablet	0.75	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest$ TwoAxes	0.75	1
org.apache.commons.math3.optimization.direct.BOBYQAOptimizerTest	1	0
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$1	1	7
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$2	1	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$Ackley	0.75	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$Basis	0.875	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$Cigar	0.75	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$CigTab	0.75	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$DiffPow	0.9375	2
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$Elli	0.75	2
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$ElliRotated	0.875	1

org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$MinusElli	0.984375	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$Rastrigin	0.75	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$Rosen	0.9375	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$Sphere	0.9375	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$SsDiffPow	0.984375	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$Tablet	0.75	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest$TwoAxes	0.75	1
org.apache.commons.math3.optimization.direct.CMAESOptimizerTest	1	2
org.apache.commons.math3.optimization.direct.MultivariateFunctionMappingAdapterTest$BiQuadratic	0.75	1
org.apache.commons.math3.optimization.direct.MultivariateFunctionMappingAdapterTest	1	0
org.apache.commons.math3.optimization.direct.MultivariateFunctionPenaltyAdapterTest$BiQuadratic	0.75	1
org.apache.commons.math3.optimization.direct.MultivariateFunctionPenaltyAdapterTest	1	0
org.apache.commons.math3.optimization.direct.PowellOptimizerTest$1	0.96875	1
org.apache.commons.math3.optimization.direct.PowellOptimizerTest$2	0.96875	1
org.apache.commons.math3.optimization.direct.PowellOptimizerTest$3	0.96875	1
org.apache.commons.math3.optimization.direct.PowellOptimizerTest$4	0.96875	1
org.apache.commons.math3.optimization.direct.PowellOptimizerTest	1	4
org.apache.commons.math3.optimization.direct.SimplexOptimizerMultiDirectionalTest$1	0.96875	2
org.apache.commons.math3.optimization.direct.SimplexOptimizerMultiDirectionalTest$2	0.96875	1
org.apache.commons.math3.optimization.direct.SimplexOptimizerMultiDirectionalTest$FourExtrema	0.9375	1
org.apache.commons.math3.optimization.direct.SimplexOptimizerMultiDirectionalTest$Gaussian2D	0.75	1
org.apache.commons.math3.optimization.direct.SimplexOptimizerMultiDirectionalTest	0.99999999	2
org.apache.commons.math3.optimization.direct.SimplexOptimizerNelderMeadTest$1	0.99951172	2

org.apache.commons.math3.optimization.direct.SimplexOptimizerNelder MeadTest$2	0.99951172	1
org.apache.commons.math3.optimization.direct.SimplexOptimizerNelder MeadTest$3	0.99951172	1
org.apache.commons.math3.optimization.direct.SimplexOptimizerNelder MeadTest$FourExtrema	0.9375	1
org.apache.commons.math3.optimization.direct.SimplexOptimizerNelder MeadTest$Powell	0.75	1
org.apache.commons.math3.optimization.direct.SimplexOptimizerNelder MeadTest$Rosenbrock	0.75	1
org.apache.commons.math3.optimization.direct.SimplexOptimizerNelder MeadTest	1	3
org.apache.commons.math3.optimization.fitting.CurveFitterTest$1	0.875	2
org.apache.commons.math3.optimization.fitting.CurveFitterTest$SimpleI nverseFunction	0.9375	1
org.apache.commons.math3.optimization.fitting.CurveFitterTest	0.99998474	1
org.apache.commons.math3.optimization.fitting.GaussianFitterTest	1	0
org.apache.commons.math3.optimization.fitting.HarmonicFitterTest	1	0
org.apache.commons.math3.optimization.fitting.PolynomialFitterTest	1	0
org.apache.commons.math3.optimization.general.AbstractLeastSquares OptimizerAbstractTest$LinearProblem	1	2
org.apache.commons.math3.optimization.general.AbstractLeastSquares OptimizerAbstractTest	1	2
org.apache.commons.math3.optimization.general.AbstractLeastSquares OptimizerTest$1	1	1
org.apache.commons.math3.optimization.general.AbstractLeastSquares OptimizerTest	1	0
org.apache.commons.math3.optimization.general.AbstractLeastSquares OptimizerTestValidation	1	0
org.apache.commons.math3.optimization.general.CircleProblem	1	1
org.apache.commons.math3.optimization.general.CircleScalar	1	2
org.apache.commons.math3.optimization.general.CircleVectorial	1	3
org.apache.commons.math3.optimization.general.DummyOptimizer	1	1
org.apache.commons.math3.optimization.general.GaussNewtonOptimize rTest	1	0
org.apache.commons.math3.optimization.general.LevenbergMarquardtO ptimizerTest$BevingtonProblem	1	1
org.apache.commons.math3.optimization.general.LevenbergMarquardtO ptimizerTest$QuadraticProblem	1	1

org.apache.commons.math3.optimization.general.LevenbergMarquardtOptimizerTest	1	0
org.apache.commons.math3.optimization.general.MinpackTest$BardFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$Box3DimensionalFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$BrownAlmostLinearFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$BrownDennisFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$ChebyquadFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$FreudensteinRothFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$HelicalValleyFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$JennrichSampsonFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$KowalikOsborneFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$LinearFullRankFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$LinearRank1Function	1	1
org.apache.commons.math3.optimization.general.MinpackTest$LinearRank1ZeroColsAndRowsFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$MeyerFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$MinpackFunction	1	19
org.apache.commons.math3.optimization.general.MinpackTest$Osborne1Function	1	1
org.apache.commons.math3.optimization.general.MinpackTest$Osborne2Function	1	1
org.apache.commons.math3.optimization.general.MinpackTest$PowellSingularFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$RosenbrockFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest$WatsonFunction	1	1
org.apache.commons.math3.optimization.general.MinpackTest	1	0
org.apache.commons.math3.optimization.general.NonLinearConjugateGradientOptimizerTest$1	0.99999999	1
org.apache.commons.math3.optimization.general.NonLinearConjugateGradientOptimizerTest$LinearProblem	1	1
org.apache.commons.math3.optimization.general.NonLinearConjugateGradientOptimizerTest	1	1

org.apache.commons.math3.optimization.general.RandomCirclePointGenerator	1	1
org.apache.commons.math3.optimization.general.RandomStraightLinePointGenerator	1	1
org.apache.commons.math3.optimization.general.StatisticalReferenceDataset$1	1	1
org.apache.commons.math3.optimization.general.StatisticalReferenceDataset	0.9375	7
org.apache.commons.math3.optimization.general.StatisticalReferenceDatasetFactory$1	0.96875	1
org.apache.commons.math3.optimization.general.StatisticalReferenceDatasetFactory$2	0.96875	1
org.apache.commons.math3.optimization.general.StatisticalReferenceDatasetFactory$3	0.96875	1
org.apache.commons.math3.optimization.general.StatisticalReferenceDatasetFactory$4	0.96875	1
org.apache.commons.math3.optimization.general.StatisticalReferenceDatasetFactory	0.99999997	0
org.apache.commons.math3.optimization.general.StraightLineProblem$Model	1	1
org.apache.commons.math3.optimization.general.StraightLineProblem	1	1
org.apache.commons.math3.optimization.linear.SimplexSolverTest$1	0.5	0
org.apache.commons.math3.optimization.linear.SimplexSolverTest	1	0
org.apache.commons.math3.optimization.linear.SimplexTableauTest	1	0
org.apache.commons.math3.optimization.MultivariateDifferentiableMultiStartOptimizerTest$1	1	1
org.apache.commons.math3.optimization.MultivariateDifferentiableMultiStartOptimizerTest	1	1
org.apache.commons.math3.optimization.MultivariateDifferentiableVectorMultiStartOptimizerTest$1	0.99999999	2
org.apache.commons.math3.optimization.MultivariateDifferentiableVectorMultiStartOptimizerTest$2	0.99999999	1
org.apache.commons.math3.optimization.MultivariateDifferentiableVectorMultiStartOptimizerTest$3	0.99999976	1
org.apache.commons.math3.optimization.MultivariateDifferentiableVectorMultiStartOptimizerTest$LinearProblem	1	1
org.apache.commons.math3.optimization.MultivariateDifferentiableVectorMultiStartOptimizerTest$TestException	0.99804688	1
org.apache.commons.math3.optimization.MultivariateDifferentiableVectorMultiStartOptimizerTest	1	3
org.apache.commons.math3.optimization.MultivariateMultiStartOptimizerTest$Rosenbrock	0.75	1

org.apache.commons.math3.optimization.MultivariateMultiStartOptimizerTest	1	0
org.apache.commons.math3.optimization.PointValuePairTest	0.9375	0
org.apache.commons.math3.optimization.PointVectorValuePairTest	0.9375	0
org.apache.commons.math3.optimization.SimplePointCheckerTest	0.99999809	0
org.apache.commons.math3.optimization.SimpleValueCheckerTest	0.99999952	0
org.apache.commons.math3.optimization.SimpleVectorValueCheckerTest	0.99999952	0
org.apache.commons.math3.optimization.univariate.BracketFinderTest$1	0.875	1
org.apache.commons.math3.optimization.univariate.BracketFinderTest$2	0.875	1
org.apache.commons.math3.optimization.univariate.BracketFinderTest$3	0.875	1
org.apache.commons.math3.optimization.univariate.BracketFinderTest$4	0.875	1
org.apache.commons.math3.optimization.univariate.BracketFinderTest	0.99804688	4
org.apache.commons.math3.optimization.univariate.BrentOptimizerTest$1	1	1
org.apache.commons.math3.optimization.univariate.BrentOptimizerTest$2	1	1
org.apache.commons.math3.optimization.univariate.BrentOptimizerTest	1	2
org.apache.commons.math3.optimization.univariate.SimpleUnivariateValueCheckerTest	0.99999237	0
org.apache.commons.math3.optimization.univariate.UnivariateMultiStartOptimizerTest$1	0.984375	2
org.apache.commons.math3.optimization.univariate.UnivariateMultiStartOptimizerTest$LocalException	0.875	1
org.apache.commons.math3.optimization.univariate.UnivariateMultiStartOptimizerTest	1	1
org.apache.commons.math3.PerfTestUtils$RunTest	0.5	0
org.apache.commons.math3.PerfTestUtils	1	0
org.apache.commons.math3.primes.PrimesTest	0.984375	0
org.apache.commons.math3.random.AbstractRandomGeneratorTest	1	0
org.apache.commons.math3.random.BitsStreamGeneratorTest$BitRandom	0.5	1
org.apache.commons.math3.random.BitsStreamGeneratorTest$TestBitStreamGenerator	0.99999994	1
org.apache.commons.math3.random.BitsStreamGeneratorTest	1	0
org.apache.commons.math3.random.CorrelatedRandomVectorGeneratorTest	1	0

org.apache.commons.math3.random.EmpiricalDistributionTest$1	1	1
org.apache.commons.math3.random.EmpiricalDistributionTest$Constant KernelEmpiricalDistribution	1	1
org.apache.commons.math3.random.EmpiricalDistributionTest$Uniform KernelEmpiricalDistribution	1	1
org.apache.commons.math3.random.EmpiricalDistributionTest	1	3
org.apache.commons.math3.random.GaussianRandomGeneratorTest	0.984375	0
org.apache.commons.math3.random.HaltonSequenceGeneratorTest	0.99999952	0
org.apache.commons.math3.random.ISAACTest	1	0
org.apache.commons.math3.random.MersenneTwisterTest	1	0
org.apache.commons.math3.random.RandomAdaptorTest$ConstantGen erator	0.75	2
org.apache.commons.math3.random.RandomAdaptorTest	0.96875	0
org.apache.commons.math3.random.RandomDataGeneratorTest	1	1
org.apache.commons.math3.random.RandomGeneratorAbstractTest	1	11
org.apache.commons.math3.random.RandomGeneratorFactoryTest	1	0
org.apache.commons.math3.random.SobolSequenceGeneratorTest	1	0
org.apache.commons.math3.random.StableRandomGeneratorTest	1	0
org.apache.commons.math3.random.SynchronizedRandomGeneratorTes t$1	1	1
org.apache.commons.math3.random.SynchronizedRandomGeneratorTes t	1	1
org.apache.commons.math3.random.TestRandomGenerator	0.99993896	1
org.apache.commons.math3.random.UncorrelatedRandomVectorGenera torTest	1	0
org.apache.commons.math3.random.UniformRandomGeneratorTest	0.984375	0
org.apache.commons.math3.random.UnitSphereRandomVectorGenerato rTest	1	0
org.apache.commons.math3.random.ValueServerTest	1	0
org.apache.commons.math3.random.Well1024aTest	1	0
org.apache.commons.math3.random.Well19937aTest	1	0
org.apache.commons.math3.random.Well19937cTest	1	0
org.apache.commons.math3.random.Well44497aTest	1	0
org.apache.commons.math3.random.Well44497bTest	1	0
org.apache.commons.math3.random.Well512aTest	1	0
org.apache.commons.math3.Retry	0.5	0
org.apache.commons.math3.RetryRunner$1	0.75	1
org.apache.commons.math3.RetryRunner	0.75	1

org.apache.commons.math3.RetryRunnerTest	0.984375	0
org.apache.commons.math3.special.BesselJTest	0.5	0
org.apache.commons.math3.special.BetaTest	0.5	0
org.apache.commons.math3.special.ErfTest	0.5	0
org.apache.commons.math3.special.GammaTest	0.5	0
org.apache.commons.math3.stat.CertifiedDataTest	1	0
org.apache.commons.math3.stat.clustering.DBSCANClustererTest	0.99999905	0
org.apache.commons.math3.stat.clustering.EuclideanDoublePointTest	0.875	0
org.apache.commons.math3.stat.clustering.EuclideanIntegerPointTest	0.875	0
org.apache.commons.math3.stat.clustering.KMeansPlusPlusClustererTest$CloseIntegerPoint	1	1
org.apache.commons.math3.stat.clustering.KMeansPlusPlusClustererTest	1	1
org.apache.commons.math3.stat.correlation.CovarianceTest	1	0
org.apache.commons.math3.stat.correlation.KendallsCorrelationTest	1	0
org.apache.commons.math3.stat.correlation.PearsonsCorrelationTest	1	2
org.apache.commons.math3.stat.correlation.SpearmansRankCorrelationTest	1	0
org.apache.commons.math3.stat.correlation.StorelessCovarianceTest	1	0
org.apache.commons.math3.stat.data.CertifiedDataAbstractTest	1	2
org.apache.commons.math3.stat.data.LewTest	1	0
org.apache.commons.math3.stat.data.LotteryTest	1	0
org.apache.commons.math3.stat.descriptive.AbstractUnivariateStatisticTest	1	0
org.apache.commons.math3.stat.descriptive.AggregateSummaryStatisticsTest	1	0
org.apache.commons.math3.stat.descriptive.DescriptiveStatisticsTest$badPercentile	1	1
org.apache.commons.math3.stat.descriptive.DescriptiveStatisticsTest$deepMean	0.875	1
org.apache.commons.math3.stat.descriptive.DescriptiveStatisticsTest$goodPercentile	1	1
org.apache.commons.math3.stat.descriptive.DescriptiveStatisticsTest$subPercentile	1	1
org.apache.commons.math3.stat.descriptive.DescriptiveStatisticsTest	1	1
org.apache.commons.math3.stat.descriptive.ListUnivariateImpl	1	2
org.apache.commons.math3.stat.descriptive.ListUnivariateImplTest	1	0

org.apache.commons.math3.stat.descriptive.MixedListUnivariateImplTest$Bar	0.5	1
org.apache.commons.math3.stat.descriptive.MixedListUnivariateImplTest$BarTransformer	0.75	1
org.apache.commons.math3.stat.descriptive.MixedListUnivariateImplTest$Foo	0.5	1
org.apache.commons.math3.stat.descriptive.MixedListUnivariateImplTest$FooTransformer	0.75	1
org.apache.commons.math3.stat.descriptive.MixedListUnivariateImplTest	1	0
org.apache.commons.math3.stat.descriptive.moment.FirstMomentTest	1	0
org.apache.commons.math3.stat.descriptive.moment.FourthMomentTest	1	0
org.apache.commons.math3.stat.descriptive.moment.GeometricMeanTest	1	0
org.apache.commons.math3.stat.descriptive.moment.InteractionTest	1	0
org.apache.commons.math3.stat.descriptive.moment.KurtosisTest	1	0
org.apache.commons.math3.stat.descriptive.moment.MeanTest	1	0
org.apache.commons.math3.stat.descriptive.moment.SecondMomentTest	1	0
org.apache.commons.math3.stat.descriptive.moment.SemiVarianceTest	1	0
org.apache.commons.math3.stat.descriptive.moment.SkewnessTest	1	0
org.apache.commons.math3.stat.descriptive.moment.StandardDeviationTest	1	0
org.apache.commons.math3.stat.descriptive.moment.ThirdMomentTest	1	0
org.apache.commons.math3.stat.descriptive.moment.VarianceTest	1	0
org.apache.commons.math3.stat.descriptive.moment.VectorialCovarianceTest	0.99951172	0
org.apache.commons.math3.stat.descriptive.moment.VectorialMeanTest	1	0
org.apache.commons.math3.stat.descriptive.MultivariateSummaryStatisticsTest$sumMean	0.9375	1
org.apache.commons.math3.stat.descriptive.MultivariateSummaryStatisticsTest	1	1
org.apache.commons.math3.stat.descriptive.rank.MaxTest	1	0
org.apache.commons.math3.stat.descriptive.rank.MedianTest	1	0
org.apache.commons.math3.stat.descriptive.rank.MinTest	1	0
org.apache.commons.math3.stat.descriptive.rank.PercentileTest	1	0

org.apache.commons.math3.stat.descriptive.rank.PSquarePercentileTest	1	0
org.apache.commons.math3.stat.descriptive.StatisticalSummaryValuesTest	0.875	0
org.apache.commons.math3.stat.descriptive.StorelessUnivariateStatisticAbstractTest	1	17
org.apache.commons.math3.stat.descriptive.summary.ProductTest	1	0
org.apache.commons.math3.stat.descriptive.summary.SumLogTest	1	0
org.apache.commons.math3.stat.descriptive.summary.SumSqTest	1	0
org.apache.commons.math3.stat.descriptive.summary.SumTest	1	0
org.apache.commons.math3.stat.descriptive.SummaryStatisticsTest	1	1
org.apache.commons.math3.stat.descriptive.SynchronizedDescriptiveStatisticsTest	1	0
org.apache.commons.math3.stat.descriptive.SynchronizedMultivariateSummaryStatisticsTest	1	0
org.apache.commons.math3.stat.descriptive.SynchronizedSummaryStatisticsTest	1	0
org.apache.commons.math3.stat.descriptive.UnivariateStatisticAbstractTest	1	3
org.apache.commons.math3.stat.FrequencyTest	0.99804688	0
org.apache.commons.math3.stat.inference.BinomialTestTest	1	0
org.apache.commons.math3.stat.inference.ChiSquareTestTest	1	0
org.apache.commons.math3.stat.inference.GTestTest	1	0
org.apache.commons.math3.stat.inference.KolmogorovSmirnovTestTest	1	0
org.apache.commons.math3.stat.inference.MannWhitneyUTestTest	1	0
org.apache.commons.math3.stat.inference.OneWayAnovaTest	1	0
org.apache.commons.math3.stat.inference.TestUtilsTest	1	0
org.apache.commons.math3.stat.inference.TTestTest	1	0
org.apache.commons.math3.stat.inference.WilcoxonSignedRankTestTest	1	0
org.apache.commons.math3.stat.interval.AgrestiCoullIntervalTest	1	0
org.apache.commons.math3.stat.interval.BinomialConfidenceIntervalAbstractTest	0.5	4
org.apache.commons.math3.stat.interval.ClopperPearsonIntervalTest	1	0
org.apache.commons.math3.stat.interval.IntervalUtilsTest	1	0
org.apache.commons.math3.stat.interval.NormalApproximationIntervalTest	1	0
org.apache.commons.math3.stat.interval.WilsonScoreIntervalTest	1	0

org.apache.commons.math3.stat.ranking.NaturalRankingTest	1	0
org.apache.commons.math3.stat.regression.GLSMultipleLinearRegressionTest	1	0
org.apache.commons.math3.stat.regression.MillerUpdatingRegressionTest	1	0
org.apache.commons.math3.stat.regression.MultipleLinearRegressionAbstractTest	0.5	2
org.apache.commons.math3.stat.regression.OLSMultipleLinearRegressionTest$1	0.96875	1
org.apache.commons.math3.stat.regression.OLSMultipleLinearRegressionTest	1	1
org.apache.commons.math3.stat.regression.SimpleRegressionTest	1	0
org.apache.commons.math3.stat.StatUtilsTest	1	0
org.apache.commons.math3.TestUtils	1	0
org.apache.commons.math3.transform.FastCosineTransformerTest	1	0
org.apache.commons.math3.transform.FastFourierTransformerTest	1	0
org.apache.commons.math3.transform.FastHadamardTransformerTest	0.99975586	0
org.apache.commons.math3.transform.FastSineTransformerTest	1	0
org.apache.commons.math3.transform.RealTransformerAbstractTest	0.75	2
org.apache.commons.math3.util.ArithmeticUtilsTest	1	0
org.apache.commons.math3.util.BigRealFieldTest	0.5	0
org.apache.commons.math3.util.BigRealTest	0.99609375	0
org.apache.commons.math3.util.CombinationsTest	1	0
org.apache.commons.math3.util.CombinatoricsUtilsTest	0.984375	0
org.apache.commons.math3.util.ContinuedFractionTest$1	0.99999237	1
org.apache.commons.math3.util.ContinuedFractionTest	0.99999237	1
org.apache.commons.math3.util.Decimal64Test	1	0
org.apache.commons.math3.util.DefaultTransformerTest	0.99996948	0
org.apache.commons.math3.util.DoubleArrayAbstractTest	0.5	1
org.apache.commons.math3.util.FastMathStrictComparisonTest	0.5	0
org.apache.commons.math3.util.FastMathTest	1	0
org.apache.commons.math3.util.IncrementorTest$1	0.99951172	1
org.apache.commons.math3.util.IncrementorTest	1	1
org.apache.commons.math3.util.IntegerSequenceTest$1	0.99951172	1
org.apache.commons.math3.util.IntegerSequenceTest	0.99951172	1
org.apache.commons.math3.util.MathArraysTest	0.99999997	0
org.apache.commons.math3.util.MathUtilsTest	1	0
org.apache.commons.math3.util.MultidimensionalCounterTest	1	0
org.apache.commons.math3.util.OpenIntToDoubleHashMapTest	0.9375	0
org.apache.commons.math3.util.OpenIntToFieldTest	1	0

org.apache.commons.math3.util.PairTest$MyInteger	0.5	1
org.apache.commons.math3.util.PairTest	0.875	0
org.apache.commons.math3.util.PrecisionTest	0.5	0
org.apache.commons.math3.util.ResizableDoubleArrayTest$1	1	1
org.apache.commons.math3.util.ResizableDoubleArrayTest	1	1
org.apache.commons.math3.util.TestBean	0.984375	0
org.apache.commons.math3.util.TransformerMapTest	1	0