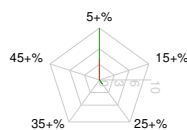
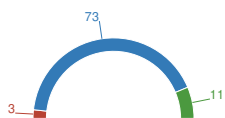
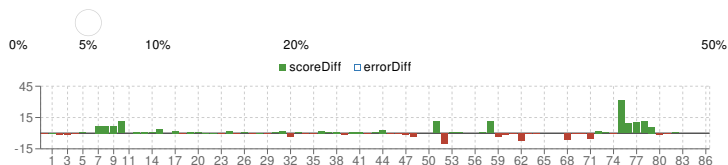


main-jmh-report pr-jmh-report Summary



Comparing 87 results out of 89 benchmark classes for 'main-jmh-report' and 'pr-jmh-report' on metric 'Score'. Ignoring deviations below 5%



### Improved Benchmarks (11)

#	Benchmark	Params	Mode/Unit	Score	Error
0	FEELStringComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 31%</span>	expression="foo"<="bar"	avgt in us/op	0.225 0.172	0.009 0.004
1	FEELContextComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 11%</span>	expression={x=undefined::undefined:"foo"=undefined}=undefined!={undefined:x=undefined::undefined:"foo"=undefined}=undefined	avgt in us/op	0.627 0.563	0.02 0.013
2	FEELNullComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 11%</span>	expression=10.4<=null	avgt in us/op	0.12 0.108	0.01 0.001
3	FEELNumberComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 11%</span>	expression=10.>=20	avgt in us/op	0.184 0.167	0.013 0.004
4	FEELStringComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 11%</span>	expression="foo"!="foo"	avgt in us/op	0.43 0.388	0.006 0.006
5	FEELStringComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 10%</span>	expression="foo"!="bar"	avgt in us/op	0.424 0.385	0.007 0.006
6	FEELStringComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 9%</span>	expression="foo">="bar"	avgt in us/op	0.488 0.446	0.007 0.007
7	FEELBooleanComparisonBenchmark - evaluateExpressionBenchmark <span style="color: green;">↗ 7%</span>	expression=true!=true	avgt in us/op	16 15	0.334 0.28
8	FEELBooleanComparisonBenchmark - evaluateExpressionBenchmark <span style="color: green;">↗ 7%</span>	expression=true!=false	avgt in us/op	16 15	0.334 0.286
9	FEELContextComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 7%</span>	expression={x=undefined::undefined:"foo"=undefined}=undefined!={undefined:x=undefined::undefined:"foo"=undefined}=undefined	avgt in us/op	0.593 0.556	0.014 0.013
10	FEELStringComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span style="color: green;">↗ 6%</span>	expression="foo"<="bar"	avgt in us/op	0.182 0.171	0.009 0.004

### Declined Benchmarks (4)

#	Benchmark	Params	Mode/Unit	Score	Error
0	FEELNullComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: red;">↘ -10%</span>	expression=null!=true	avgt in us/op	0.106 0.118	0.001 0.009
1	FEELNumberComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span style="color: red;">↘ -7%</span>	expression=10.>=20	avgt in us/op	0.163 0.175	0.004 0.01
2	FEELNumberComparisonBenchmark - evaluateExpressionBenchmark <span style="color: red;">↘ -6%</span>	expression=15.25!=15.25	avgt in us/op	16 17	0.322 0.346
3	FEELRangeComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span style="color: red;">↘ -5%</span>	expression=[1..3]=undefined!=undefined	avgt in us/op	0.167 0.175	0.003 0.004

### Unchanged Benchmarks (72)

#	Benchmark	Params	Mode/Unit	Score	Error
0	FEELContextComparisonBenchmark - evaluateExpressionBenchmark <span style="color: green;">↗ 4%</span>	expression={x=undefined::undefined:"foo"=undefined}=undefined!={undefined:x=undefined::undefined:"foo"=undefined}=undefined	avgt in us/op	25 24	0.425 0.405
1	FEELListComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 3%</span>	expression=[1,=undefined:2,=undefined:3]=undefined!=[1,=undefined:"foo",=undefined:3]=undefined	avgt in us/op	0.571 0.553	0.013 0.012
2	FEELContextComparisonBenchmark - evaluateExpressionBenchmark <span style="color: green;">↗ 2%</span>	expression={x=undefined::undefined:"foo",=undefined:y=undefined::undefined:[1,=undefined:2]=undefined}=undefined!={undefined:y=undefined::undefined:[1,=undefined:2],=undefined:x=undefined::undefined:"foo"=undefined}=undefined	avgt in us/op	45 44	0.794 0.746
3	FEELDateTimeComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span style="color: green;">↗ 2%</span>	expression=date.and("2016-08-29T05:48:23")=undefined.>=date.and("2016-07-29T05:48:23")=undefined	avgt in us/op	0.172 0.168	0.001 0.001
4	FEELDurationComparisonBenchmark - evaluateCompiledButInterpretedExpression <span style="color: green;">↗ 2%</span>	expression=duration("P1Y8M")=undefined.<=duration("P1Y6M")=undefined	avgt in us/op	0.362 0.356	0.008 0.005
5	FEELDurationComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span style="color: green;">↗ 2%</span>	expression=duration("P1Y8M")=undefined.>=duration("P1Y6M")=undefined	avgt in us/op	0.108 0.106	0.001 0.001
6	FEELRangeComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span style="color: green;">↗ 2%</span>	expression=[1..3]=undefined!=undefined	avgt in us/op	0.174 0.171	0.004 0.004

#	Benchmark	Params	Mode/Unit	Score	Error
7	FEELContextComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 1%	expression={:x=undefined::=undefined:"foo"=undefined:}=undefined:={:undefined:x=undefined::=undefined:"foo"=undefined:}=undefined	avgt in us/op	0.467 0.462	0.011 0.01
8	FEELContextComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 1%	expression={:x=undefined::=undefined:"foo"=undefined:}=undefined:!=:{:undefined:x=undefined::=undefined:"foo"=undefined:}=undefined	avgt in us/op	0.467 0.463	0.011 0.01
9	FEELDateTimeComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↴</span> 1%	expression=date:and=undefined:time("2016-08-29T05:48:23")=undefined:<=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	0.499 0.494	0.002 0.001
10	FEELDurationComparisonBenchmark - evaluateExpressionBenchmark <span>↴</span> 1%	expression=duration("P1Y6M"=undefined:)=undefined:=:duration(=undefined:"P1Y6M"=undefined:)=undefined	avgt in us/op	100 99	2 2
11	FEELDurationComparisonBenchmark - evaluateExpressionBenchmark <span>↴</span> 1%	expression=duration("P1Y8M"=undefined:)=undefined:>=:duration(=undefined:"P1Y6M"=undefined:)=undefined	avgt in us/op	97 96	2 1
12	FEELDurationComparisonBenchmark - evaluateExpressionBenchmark <span>↴</span> 1%	expression=duration("P1Y8M"=undefined:)=undefined:!=:duration(=undefined:"P1Y6M"=undefined:)=undefined	avgt in us/op	99 98	2 2
13	FEELNullComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 0.8833727522738575%	expression=null:=:true=undefined	avgt in us/op	0.105 0.104	0.001 0.001
14	FEELNullComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 0.8683597148567583%	expression=10.4:<=:null=undefined	avgt in us/op	0.105 0.104	0.001 0.001
15	FEELDateTimeComparisonBenchmark - evaluateExpressionBenchmark <span>↴</span> 0.8264462809917356%	expression=date:and=undefined:time("2016-07-29T05:48:23")=undefined:=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	610 605	6 4
16	FEELDurationComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↴</span> 0.6952263364409316%	expression=duration("P1Y8M"=undefined:)=undefined:!=:duration(=undefined:"P1Y6M"=undefined:)=undefined	avgt in us/op	0.35 0.348	0.005 0.005
17	FEELRangeComparisonBenchmark - evaluateExpressionBenchmark <span>↴</span> 0.641025641025641%	expression=[1..3=undefined:]=undefined:=:[=undefined:1..3=undefined:]=undefined	avgt in us/op	471 468	8 7
18	FEELBooleanComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 0.5964937981490691%	expression=true:=:false=undefined	avgt in us/op	0.347 0.345	0.006 0.006
19	FEELNumberComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↴</span> 0.5720085016633789%	expression=1:<=:2=undefined	avgt in us/op	0.167 0.166	0.004 0.004
20	FEELStringComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 0.5165331300658927%	expression="foo"=::"foo"=undefined	avgt in us/op	0.382 0.38	0.007 0.007
21	FEELDurationComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 0.5135192500737346%	expression=duration("P1Y8M"=undefined:)=undefined:!=:duration(=undefined:"P1Y6M"=undefined:)=undefined	avgt in us/op	0.338 0.336	0.005 0.005
22	FEELDateTimeComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↴</span> 0.5095553757832194%	expression=date:and=undefined:time("2016-08-29T05:48:23")=undefined:>=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	0.175 0.175	0.001 0.001
23	FEELContextComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 0.43691491351733824%	expression={:x=undefined::=undefined:"foo",=undefined:y=undefined::=undefined:[1,=undefined:2]=undefined:}=undefined:!=:{=undefined:y=undefined::=undefined:[1,=undefined:2],=undefined:x=undefined::=undefined:"foo"=undefined:}=undefined	avgt in us/op	0.801 0.797	0.016 0.016
24	FEELDurationComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↴</span> 0.3945014273126591%	expression=duration("P1Y6M"=undefined:)=undefined:=:duration(=undefined:"P1Y6M"=undefined:)=undefined	avgt in us/op	0.353 0.351	0.006 0.005
25	FEELListComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↴</span> 0.32473998481669103%	expression=[1,=undefined:2,=undefined:3]=undefined:!=:[1,=undefined:2,=undefined:3]=undefined	avgt in us/op	0.612 0.61	0.013 0.013
26	FEELDateTimeComparisonBenchmark - evaluateExpressionBenchmark <span>↴</span> 0.16501650165016502%	expression=date:and=undefined:time("2016-08-29T05:48:23")=undefined:>=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	607 606	4 5
27	FEELDateTimeComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↴</span> 0.14112235819592275%	expression=date:and=undefined:time("2016-07-29T05:48:23")=undefined:=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	0.421 0.421	0.002 0.001
28	FEELBooleanComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↴</span> 0.029014219669241177%	expression=true:!=:true=undefined	avgt in us/op	0.353 0.353	0.005 0.006
29	FEELDateTimeComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↴</span> 0.009524663945518588%	expression=date:and=undefined:time("2016-08-29T05:48:23")=undefined:!=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	0.429 0.429	0.001 0.001
30	FEELBooleanComparisonBenchmark - evaluateExpressionBenchmark <span>➤</span> 0%	expression=true:=:true=undefined	avgt in us/op	15 15	0.3 0.273
31	FEELContextComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>➤</span> 0%	expression={:x=undefined::=undefined:"foo",=undefined:y=undefined::=undefined:[1,=undefined:2]=undefined:}=undefined:!=:{=undefined:y=undefined::=undefined:[1,=undefined:2],=undefined:x=undefined::=undefined:"foo"=undefined:}=undefined	avgt in us/op	1 1	0.027 0.027
32	FEELContextComparisonBenchmark - evaluateExpressionBenchmark <span>➤</span> 0%	expression={:x=undefined::=undefined:"foo"=undefined:}=undefined:!=:{:undefined:x=undefined::=undefined:"foo"=undefined:}=undefined	avgt in us/op	24 24	0.38 0.352
33	FEELListComparisonBenchmark - evaluateExpressionBenchmark <span>➤</span> 0%	expression=[1,=undefined:2,=undefined:3]=undefined:!=:[1,=undefined:2,=undefined:3]=undefined	avgt in us/op	32 32	0.422 0.443
34	FEELListComparisonBenchmark - evaluateExpressionBenchmark <span>➤</span> 0%	expression=[1,=undefined:2,=undefined:3]=undefined:!=:[1,=undefined:"foo",=undefined:3]=undefined	avgt in us/op	32 32	0.501 0.528
35	FEELNullComparisonBenchmark - evaluateExpressionBenchmark <span>➤</span> 0%	expression=10.4:<=:null=undefined	avgt in us/op	16 16	0.332 0.31

#	Benchmark	Params	Mode/Unit	Score	Error
36	FEELNullComparisonBenchmark - evaluateExpressionBenchmark <span>▶</span> 0%	expression=null:=true=undefined	avgt in us/op	16 16	0.32 0.342
37	FEELNumberComparisonBenchmark - evaluateExpressionBenchmark <span>▶</span> 0%	expression=1:<=undefined:2=undefined	avgt in us/op	16 16	0.258 0.278
38	FEELNumberComparisonBenchmark - evaluateExpressionBenchmark <span>▶</span> 0%	expression=10:>=undefined:20=undefined	avgt in us/op	16 16	0.265 0.313
39	FEELNumberComparisonBenchmark - evaluateExpressionBenchmark <span>▶</span> 0%	expression=10.4!:=:20.6=undefined	avgt in us/op	16 16	0.301 0.275
40	FEELStringComparisonBenchmark - evaluateExpressionBenchmark <span>▶</span> 0%	expression="foo":<=undefined:"bar"=undefined	avgt in us/op	15 15	0.254 0.376
41	FEELStringComparisonBenchmark - evaluateExpressionBenchmark <span>▶</span> 0%	expression="foo":>=: "bar"=undefined	avgt in us/op	15 15	0.285 0.268
42	FEELStringComparisonBenchmark - evaluateExpressionBenchmark <span>▶</span> 0%	expression="foo"!:=:"bar"=undefined	avgt in us/op	15 15	0.262 0.334
43	FEELStringComparisonBenchmark - evaluateExpressionBenchmark <span>▶</span> 0%	expression="foo"=: "foo"=undefined	avgt in us/op	15 15	0.263 0.293
44	FEELListComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↩</span> -0.00871292160921333%	expression=[1,=undefined:2,=undefined:3]=undefined:=[1,=undefined:2,=undefined:3]=undefined	avgt in us/op	0.618 0.618	0.013 0.013
45	FEELListComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.018669643337886614%	expression=[1,=undefined:2,=undefined:3]=undefined!:=:[1,=undefined:2,=undefined:3]=undefined	avgt in us/op	0.337 0.337	0.006 0.006
46	FEELNumberComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.0213665735646957%	expression=15.25!:=:15.25=undefined	avgt in us/op	0.349 0.349	0.005 0.006
47	FEELStringComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.03315192256639197%	expression="foo"!:=:"bar"=undefined	avgt in us/op	0.379 0.379	0.006 0.006
48	FEELNumberComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.040007065683438744%	expression=10.4!:=:20.6=undefined	avgt in us/op	0.348 0.348	0.006 0.005
49	FEELDurationComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.07991818253184294%	expression=duration("P1Y8M"=undefined:)=undefined:<=:duration(=undefined:"P1Y6M"=undefined:)=undefined	avgt in us/op	0.345 0.345	0.005 0.005
50	FEELDateTimeComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.08636441638092862%	expression=date:and=undefined:time("2016-08-29T05:48:23")=undefined!:=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	0.42 0.42	0.001 0.001
51	FEELBooleanComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.19217206465080006%	expression=true!:=:true=undefined	avgt in us/op	0.344 0.344	0.005 0.006
52	FEELRangeComparisonBenchmark - evaluateExpressionBenchmark <span>↩</span> -0.21231422505307856%	expression=[1..3=undefined:]=undefined!:=:[=undefined:1..3=undefined:]=undefined	avgt in us/op	470 471	8 8
53	FEELBooleanComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↩</span> -0.23877139056663715%	expression=true:=:true=undefined	avgt in us/op	0.351 0.352	0.005 0.006
54	FEELDateTimeComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↩</span> -0.27867108674446534%	expression=date:and=undefined:time("2016-07-29T05:48:23")=undefined!:=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	0.427 0.428	0.001 0.002
55	FEELListComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.28047509068390164%	expression=[1,=undefined:2,=undefined:3]=undefined:=[1,=undefined:2,=undefined:3]=undefined	avgt in us/op	0.336 0.337	0.006 0.006
56	FEELDateTimeComparisonBenchmark - evaluateExpressionBenchmark <span>↩</span> -0.3284072249589491%	expression=date:and=undefined:time("2016-08-29T05:48:23")=undefined:<=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	607 609	3 2
57	FEELDurationComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.45767825636451537%	expression=duration("P1Y6M"=undefined:)=undefined:=:duration(=undefined:"P1Y6M"=undefined:)=undefined	avgt in us/op	0.342 0.343	0.005 0.005
58	FEELDateTimeComparisonBenchmark - evaluateExpressionBenchmark <span>↩</span> -0.6557377049180327%	expression=date:and=undefined:time("2016-08-29T05:48:23")=undefined!:=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	606 610	4 5
59	FEELRangeComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↩</span> -0.6784941167878069%	expression=[1..3=undefined:]=undefined:=:[=undefined:1..3=undefined:]=undefined	avgt in us/op	0.187 0.188	0.005 0.005
60	FEELNumberComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.7749926955111366%	expression=1:<=undefined:2=undefined	avgt in us/op	0.161 0.162	0.004 0.004
61	FEELRangeComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↩</span> -0.9019298306558658%	expression=[1..3=undefined:]=undefined!:=:[=undefined:1..3=undefined:]=undefined	avgt in us/op	0.186 0.188	0.004 0.005
62	FEELDateTimeComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -0.9609602212856116%	expression=date:and=undefined:time("2016-08-29T05:48:23")=undefined:<=:date=undefined:and=undefined:time("2016-07-29T05:48:23")=undefined	avgt in us/op	0.484 0.489	0.002 0.002
63	FEELBooleanComparisonBenchmark - evaluateCompiledButInterpretedExpression <span>↩</span> -1%	expression=true:=:false=undefined	avgt in us/op	0.352 0.357	0.006 0.007
64	FEELBooleanComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark <span>↩</span> -1%	expression=true:=:true=undefined	avgt in us/op	0.345 0.349	0.006 0.006

#	Benchmark	Params	Mode/Unit	Score	Error
65	FEELDurationComparisonBenchmark - evaluateExpressionBenchmark ↴ -1%	expression=duration("P1Y8M")=undefined:<=:duration(=undefined:"P1Y6M")=undefined	avgt in us/op	98 99	2 2
66	FEELListComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark ↴ -1%	expression=[1,=undefined:2,=undefined:3]=undefined:!=:[1,=undefined:"foo",=undefined:3]=undefined	avgt in us/op	0.275 0.278	0.006 0.007
67	FEELNumberComparisonBenchmark - evaluateCompiledButInterpretedExpression ↴ -1%	expression=15.25=:15.25=undefined	avgt in us/op	0.351 0.355	0.005 0.006
68	FEELStringComparisonBenchmark - evaluateCompiledJavaExpressionBenchmark ↴ -1%	expression="foo">="bar"=undefined	avgt in us/op	0.446 0.453	0.007 0.007
69	FEELDurationComparisonBenchmark - evaluateCompiledButInterpretedExpression ↴ -3%	expression=duration("P1Y8M")=undefined:>=undefined:duration(=undefined:"P1Y6M")=undefined	avgt in us/op	0.114 0.118	0.001 0.002
70	FEELListComparisonBenchmark - evaluateExpressionBenchmark ↴ -3%	expression=[1,=undefined:2,=undefined:3]=undefined:=[1,=undefined:2,=undefined:3]=undefined	avgt in us/op	32 33	0.467 0.474
71	FEELNumberComparisonBenchmark - evaluateCompiledButInterpretedExpression ↴ -3%	expression=10.4!:=:20.6=undefined	avgt in us/op	0.355 0.366	0.005 0.01

Score ▾

Benchmarks