

User Interface of InPaFer and iFix

The screenshot shows the Eclipse IDE with the InPaFer UI. The main editor displays the `MannWhitneyUTest.java` file. The code is annotated with comments and patches. The bottom panel shows the Diff View with Initial Trace and Patch13.

Test Case

Test Case	Remain Patch
MannWhitneyUTest::testBigDataSet	33

Modified Method

Modified Method	Criterion State	PatchNum	Yes	No
MannWhitneyUTest#calculateAs	UNCLEAR	33	yes	no

Execution Trace

Execution Trace	Criterion State	PatchNum	Yes	No
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Variable Value

Variable Value	VarValue	Criterion State	PatchNum	Yes
2 * standardNormal.cumulativeP	1	UNCLEAR	1	yes

Candidate Patches

- Delete Patch13
- Patch13
- Delete Patch8
- Patch8
- Delete Patch9
- Patch9

Diff View

Diff Traces

- Initial Trace
- Patch13

Writable **Smart Insert** 173 : 38 : 6430

InParFer UI

The screenshot shows the Eclipse IDE with the InParFer UI. The main editor displays the `MannWhitneyUTest.java` file. The code is annotated with comments and patches. The bottom panel shows the Diff View with Initial Trace and Patch13.

FAILED TESTS

- org.apache.commons.math3.stat.inference.MannWhitneyUTestTest:tes...
 - java.lang.AssertionError
 - at org.apache.commons.math3.stat.inference.MannWhitneyUTestTest.tes...

VARIABLES

Line#	Runtime Value	buggy #173	patch #174	patch #175	patch #176
173	n1		1500		
173	n2		1500		
173	n1n2prod	2250000	2250000.0	2250750.0	2250000.0
180	n1n2prod	2250000	2250000.0	2250750.0	2250000.0
180	EU	1125000.0	1125000.0	1125375.0	1125000.0
181	n1n2prod	2250000	2250000.0	2250750.0	2250000.0
181	n1		1500		
181	n2		1500		
181	Umin	-153140382.666	562687500.0	562875062.5	562687500.0
183	Umin			1124250.0	
183	EU	1125000.0	1125000.0	1125375.0	1125000.0
183	VarU	-153140382.666	562687500.0	562875062.5	562687500.0
183	FastMath.sqrt	NaN	23721.03496898	23724.98814541	23721.03496898
183	z	NaN	-0.03161750745	-0.04741835878	-0.03161750745
187	z	NaN	-0.03161750745	-0.04741835878	-0.03161750745
187	standardNormal	NaN	0.487388540719	0.481089898642	0.487388540719

PROBLEMS 213 **OUTPUT** **IPR Instrument**

[IPR] Project with patch No.4 has been tested.

[IPR] Project with buggy line has been tested.

[IPR] Finished parallel debugging.

child process exited with code 0

Get table data from backend

iFix UI