

TABLE I  
AUC VALUE OF 90 PAIRS CPDP TASKS ON TEN METHODS

Train project	Test project	Traditional	DPDBN	DPCNN	Node2defect	DTL-DP	Codebert	GCN2defect	UDA-DP	MVHR-DP	MVHR-CPDP
ant-1.7	camel-1.6	58.9	56.7	53.7	55.4	53.0	64.6	55.1	55.0	62.4	62.5
	ivy-2.0	79.9	66.5	70.4	78.3	78.2	75.4	53.8	76.3	77.7	78.0
	jEdit-4.1	82.3	67.4	64.9	65.0	74.6	74.7	58.4	76.2	73.8	84.3
	log4j-1.2	58.1	60.6	42.4	58.7	56.1	58.8	71.1	23.2	63.5	63.3
	lucene-2.4	65.0	60.3	55.8	60.9	67.1	64.4	51.2	35.9	82.7	73.0
	poi-3.0	78.5	66.3	64.5	53.0	70.9	64.6	55.4	32.8	57.1	85.2
	velocity-1.6.1	71.0	63.9	60.8	60.6	67.6	64.0	45.7	61.4	64.3	64.6
	xalan-2.6	64.6	61.2	57.3	56.7	72.6	72.9	43.0	60.2	85.4	65.9
camel-1.6	xerces-1.4	62.0	61.6	59.9	76.4	56.4	61.1	50.0	77.7	71.5	71.2
	ant-1.7	63.5	59.7	61.8	45.9	71.9	52.5	55.3	77.5	74.2	78.2
	ivy-2.0	70.0	47.9	59.0	48.8	63.4	67.0	56.1	76.2	78.8	79.0
	jEdit-4.1	58.4	42.1	70.6	53.0	70.8	61.5	51.6	78.1	70.8	68.2
	log4j-1.2	48.1	47.6	54.6	48.7	56.1	49.4	50.4	61.9	53.1	53.4
	lucene-2.4	50.5	49.0	49.9	43.5	66.6	55.1	51.8	45.5	84.2	68.1
	poi-3.0	50.4	49.2	53.1	57.4	67.7	64.5	55.3	22.6	87.4	83.3
	velocity-1.6.1	65.4	60.0	60.8	66.3	66.7	66.4	53.6	58.0	64.4	66.4
ivy-2.0	xalan-2.6	63.9	59.6	58.6	61.3	66.1	57.9	46.5	75.1	80.1	65.4
	xerces-1.4	59.4	49.2	63.5	47.8	60.3	60.1	59.9	17.1	76.0	75.7
	ant-1.7	71.8	58.9	55.6	66.6	68.0	74.2	57.2	63.9	78.7	76.8
	camel-1.6	54.7	56.0	50.3	54.2	54.3	53.6	50.3	63.5	62.2	63.8
	jEdit-4.1	72.3	63.2	54.3	62.6	76.1	68.3	51.5	71.4	84.7	82.9
	log4j-1.2	40.7	51.9	57.0	54.2	53.1	53.5	36.5	40.6	61.2	61.3
	lucene-2.4	57.4	53.9	62.6	62.3	66.0	60.7	51.8	60.9	84.8	71.9
	poi-3.0	55.0	54.3	59.9	56.2	55.4	58.0	66.7	27.6	86.5	85.6
jEdit-4.1	velocity-1.6.1	66.4	53.2	53.0	53.1	60.7	54.9	51.6	54.4	66.5	66.7
	xalan-2.6	45.1	47.3	50.9	47.4	68.6	72.5	47.1	62.0	83.7	63.1
	xerces-1.4	75.3	50.2	36.4	37.7	67.3	67.2	46.5	14.5	82.0	81.9
	ant-1.7	78.0	64.7	58.5	64.3	50.0	60.2	60.9	65.9	74.9	77.3
	camel-1.6	56.0	56.5	52.6	55.9	55.8	56.1	57.9	60.7	64.5	62.8
	ivy-2.0	73.4	68.4	71.2	56.2	78.1	75.8	57.8	74.1	78.4	78.1
	log4j-1.2	64.1	35.3	41.8	50.6	52.1	55.3	60.4	69.8	63.9	63.8
	lucene-2.4	65.7	64.8	64.3	46.7	69.4	59.5	48.2	40.1	84.1	74.6
log4j-1.2	poi-3.0	71.1	65.5	69.0	54.2	72.0	60.9	58.6	49.6	80.9	83.5
	velocity-1.6.1	66.6	61.7	44.7	55.5	68.3	52.1	53.2	60.6	62.0	58.5
	xalan-2.6	52.8	53.2	50.7	57.0	71.1	56.9	50.9	58.3	84.0	65.3
	xerces-1.4	66.8	68.2	53.7	70.1	70.6	62.3	70.1	62.2	88.4	83.4
	ant-1.7	66.4	46.9	50.2	72.6	63.4	63.4	63.4	63.7	78.5	75.6
	camel-1.6	61.1	50.6	45.4	60.7	58.2	58.2	58.2	46.5	70.0	67.9
	jEdit-4.1	67.9	44.4	54.3	68.1	54.6	54.6	54.6	76.6	78.5	78.6
	ivy-2.0	74.9	43.5	62.0	68.0	54.0	54.0	54.0	49.4	76.6	71.8
lucene-2.4	lucene-2.4	65.6	55.2	49.9	63.0	53.3	53.3	53.3	38.7	68.3	64.4
	poi-3.0	65.3	46.6	43.2	53.7	54.0	54.0	54.0	35.4	83.2	83.5
	velocity-1.6.1	55.5	47.0	38.6	57.0	53.2	53.2	53.2	51.8	67.6	67.6
	xalan-2.6	51.9	39.6	46.3	62.3	47.0	47.0	47.0	45.5	58.6	58.7
	xerces-1.4	58.4	47.9	38.7	37.4	61.6	61.6	61.6	68.4	79.0	78.7
	ant-1.7	75.6	65.1	64.5	72.3	74.0	27.5	58.0	75.5	77.3	75.8
	camel-1.6	62.1	58.8	59.1	57.4	56.6	57.3	54.3	55.6	63.2	64.6
	ivy-2.0	78.2	66.7	68.2	75.1	50.0	70.7	57.6	76.0	79.2	78.0
poi-3.0	jEdit-4.1	77.2	65.5	61.8	67.9	56.9	67.8	52.7	73.9	72.5	84.1
	log4j-1.2	64.9	61.4	51.1	58.9	60.0	57.2	66.5	56.8	63.3	63.4
	lucene-2.4	73.8	66.3	62.8	70.2	73.9	59.2	54.2	63.3	65.0	83.9
	poi-3.0	73.8	66.3	62.8	70.2	73.9	59.2	54.2	63.3	65.0	83.9
	velocity-1.6.1	66.6	60.3	63.8	66.3	68.9	59.5	55.8	67.1	61.5	59.5
	xalan-2.6	63.3	54.8	61.6	62.0	72.6	35.9	52.7	64.3	83.8	62.7
	xerces-1.4	78.5	70.4	65.8	77.8	66.6	60.2	51.7	78.1	82.8	82.9
	ant-1.7	76.9	66.2	66.4	68.4	73.4	31.3	58.5	65.7	77.4	76.3
velocity-1.6.1	camel-1.6	56.9	53.2	53.6	50.7	56.0	64.8	53.0	58.9	64.0	63.9
	ivy-2.0	77.6	62.7	69.4	71.5	50.0	62.7	63.3	77.7	79.4	78.7
	jEdit-4.1	73.6	66.6	58.6	48.2	72.0	66.8	59.8	73.6	74.3	82.7
	log4j-1.2	62.6	41.1	53.8	62.3	55.3	55.5	54.3	73.1	60.1	60.1
	lucene-2.4	64.2	57.7	63.3	66.9	68.8	59.8	53.2	71.2	86.2	73.0
	poi-3.0	66.6	54.4	66.7	57.2	68.0	57.1	45.0	65.5	61.8	66.1
	velocity-1.6.1	59.6	52.2	56.0	46.2	72.9	34.1	44.7	52.4	85.6	61.2
	xalan-2.6	70.8	66.3	60.6	37.2	60.2	60.7	53.3	77.0	80.5	80.5
xalan-2.6	xerces-1.4	66.8	62.7	62.4	57.0	74.6	78.7	46.9	66.9	79.3	75.6
	ant-1.7	58.3	56.0	55.9	56.4	55.3	60.7	52.3	58.0	65.6	67.3
	camel-1.6	67.9	64.2	62.6	63.5	50.0	57.6	61.7	74.5	78.8	78.1
	ivy-2.0	60.8	55.2	49.1	53.1	58.1	57.9	51.1	80.6	72.3	67.7
	jEdit-4.1	47.4	42.4	32.1	58.9	47.2	45.6	61.7	49.8	56.9	56.9
	log4j-1.2	58.3	58.9	56.0	59.8	69.6	56.8	58.1	60.2	80.6	65.2
	lucene-2.4	49.1	52.8	55.4	70.3	73.9	61.2	58.2	60.0	68.0	83.2
	poi-3.0	61.2	55.7	52.3	67.6	66.7	70.9	56.0	65.2	84.1	58.7
xerces-1.4	velocity-1.6.1	72.9	63.3	57.9	64.2	70.3	60.2	44.7	74.2	81.5	81.7
	ant-1.7	44.6	48.2	48.3	42.9	52.3	43.6	35.5	38.5	53.3	78.0
	camel-1.6	39.4	36.8	36.4	38.6	43.3	53.7	33.9	64.4	38.8	66.1
	ivy-2.0	28.4	30.2	30.9	28.5	47.6	32.3	19.8	66.0	37.0	77.0
	jEdit-4.1	51.4	49.2	50.7	51.9	41.7	57.0	39.9	60.1	60.6	81.0
	log4j-1.2	47.9	39.7	36.4	47.9	60.2	55.3	61.5	58.8	61.2	62.1
	lucene-2.4	69.7	63.4	63.4	64.6	72.3	63.3	70.5	67.2	76.1	68.1
	poi-3.0	81.9	65.9	76.4	76.8	78.2	68.6	75.8	62.6	80.1	81.6
xerces-1.4	velocity-1.6.1	57.4	51.3	56.9	51.6	59.3	51.3	48.9	51.3	51.5	67.4
	xalan-2.6	74.1	72.3	71.7	68.3	50.4	60.6	48.8	80.0	84.3	84.3
	ant-1.7	75.2	64.0	63.3	71.6	74.5	72.7	66.5	75.9	78.0	68.8
	camel-1.6	60.4	59.1	56.2	63.5	56.4	63.6	62.7	63.3	63.3	56.1
	ivy-2.0	77.1	60.6	70.5	79.9	79.7	79.6	73.1	81.6	78.3	71.0
	jEdit-4.1	72.0	61.3	67.0	73.6	78.1	76.5	80.1	69.8	84.7	83.3
	log4j-1.2	49.8	52.2	32.6	55.1	70.7	77.6	49.9	72.6	63.8	63.8
	lucene-2.4	71.7	64.3	66.1	57.7	69.6	66.0	70.1	46.2	83.8	73.2
xerces-1.4	poi-3.0	68.6	59.2	65.6	41.7	74.2	66.4	69.1	68.8	78.7	79.6
	velocity-1.6.1	74.2	60.1	65.0	56.2	69.0	63.9	63.6	51.7	62.5	61.2
	xalan-2.6	64.8	54.2	53.5	61.7	50.0	47.8	55.3	43.3	63.8	55.1
AVG	-	63.9	56.3	56.4	58.7	63.2	59.7	54.9	60.3	72.5	71.6

TABLE II  
F1 VALUE OF 90 PAIRS CPDP TASKS ON TEN METHODS

Train project	Test project	Traditional	DPDBN	DPCNN	Node2defect	DTL-DP	Codebert	GCN2defect	UDA-DP	MVHR-DP	MVHR-CPDP
ant-1.7	camel-1.6	34.8	32.6	32.6	32.8	47.8	35.5	34.7	35.5	36.9	37.0
	ivy-2.0	32.6	32.2	32.1	36.3	48.4	29.9	20.4	26.9	38.2	37.9
	jEdit-4.1	56.7	59.3	49.8	45.0	41.7	53.2	38.8	61.1	61.3	53.1
	log4j-1.2	62.0	62.8	63.1	58.6	62.2	57.8	60.2	51.2	71.9	88.5
	lucene-2.4	65.8	60.5	60.8	58.4	60.9	63.2	66.2	70.9	74.2	75.7
	poi-3.0	77.2	67.5	71.3	47.5	79.3	70.7	75.2	83.9	74.3	83.3
	velocity-1.6.1	54.3	53.3	52.5	45.0	36.4	48.6	46.4	62.7	29.4	41.7
	xalan-2.6	56.1	53.7	56.4	48.1	53.1	65.2	52.5	57.6	58.5	58.9
camel-1.6	xerces-1.4	53.2	52.1	68.3	47.2	48.8	39.7	47.3	51.2	53.8	54.4
	ant-1.7	39.2	41.9	42.3	26.3	36.6	7.3	38.7	28.2	42.2	40.8
	ivy-2.0	23.8	25.3	24.3	17.0	43.3	27.1	20.4	26.9	20.7	20.5
	jEdit-4.1	44.0	36.3	55.7	34.3	41.7	40.4	36.7	64.4	40.4	40.6
	log4j-1.2	68.3	61.3	73.3	57.7	58.1	73.2	71.7	31.6	96.3	96.3
	lucene-2.4	60.1	50.4	57.6	38.1	76.2	50.9	71.9	74.0	72.4	72.9
	poi-3.0	66.3	48.9	62.2	51.1	78.2	59.7	76.7	53.5	51.2	77.5
	velocity-1.6.1	53.7	48.9	52.5	54.0	50.8	48.8	51.1	60.6	51.5	51.0
ivy-2.0	xalan-2.6	63.2	56.4	56.9	54.5	63.9	28.8	55.9	40.6	58.4	55.9
	xerces-1.4	55.1	52.1	65.0	42.5	62.3	47.8	46.1	73.9	75.1	74.6
	ant-1.7	49.0	39.0	37.8	39.4	35.6	27.5	37.4	38.5	47.3	45.6
	camel-1.6	29.9	31.5	30.3	25.3	53.3	29.5	29.6	35.4	38.4	38.5
	jEdit-4.1	51.5	46.7	43.3	34.7	56.0	44.7	37.3	61.4	58.7	55.0
	log4j-1.2	57.8	57.9	37.0	33.8	34.5	28.8	30.4	8.5	26.5	28.2
	lucene-2.4	57.4	53.9	62.6	62.3	66.0	60.7	51.8	60.9	84.8	77.2
	poi-3.0	55.0	54.3	59.9	56.2	55.4	58.0	66.7	27.6	56.5	82.1
jEdit-4.1	velocity-1.6.1	50.0	41.1	49.4	16.5	50.8	29.5	51.2	53.2	52.7	54.2
	xalan-2.6	44.8	49.0	54.6	24.0	39.3	39.3	53.6	63.1	61.9	62.6
	xerces-1.4	42.6	59.6	57.7	18.4	45.6	40.0	46.6	84.1	80.6	80.2
	ant-1.7	52.7	48.2	40.0	41.8	36.6	36.6	39.4	40.4	48.3	47.1
	camel-1.6	33.3	33.4	31.5	30.7	53.8	41.7	35.5	34.5	39.2	38.8
	ivy-2.0	27.6	32.3	33.3	18.1	44.9	38.1	19.9	45.8	31.5	31.1
	log4j-1.2	65.5	61.4	22.4	47.8	23.1	45.1	24.2	26.8	24.9	25.7
	lucene-2.4	62.9	64.8	69.5	41.7	33.5	50.5	59.7	66.1	76.0	77.5
log4j-1.2	poi-3.0	66.5	71.1	70.9	47.8	73.2	44.3	75.0	63.6	80.9	80.8
	velocity-1.6.1	53.5	57.1	41.2	41.3	22.4	36.8	50.0	57.5	46.1	48.7
	xalan-2.6	52.2	47.0	50.3	42.7	63.9	43.9	57.3	58.2	63.0	62.6
	xerces-1.4	45.9	65.1	67.3	59.3	23.4	42.1	50.0	76.6	81.2	81.2
	ant-1.7	36.4	31.2	33.0	37.4	34.1	35.2	36.4	41.6	36.4	36.4
	camel-1.6	34.0	31.2	27.5	34.5	27.6	21.5	33.5	35.1	34.0	34.0
	jEdit-4.1	20.5	16.9	21.7	20.9	21.7	21.7	20.5	21.8	20.5	20.5
	ivy-2.0	40.6	33.3	46.8	41.2	41.7	45.5	40.5	39.9	40.5	40.5
lucene-2.4	lucene-2.4	55.0	69.6	62.5	72.1	52.5	62.1	75.1	71.4	75.0	75.0
	poi-3.0	58.6	64.2	58.8	80.2	68.5	58.1	78.6	76.1	78.6	78.6
	velocity-1.6.1	50.5	42.7	34.4	50.3	34.6	34.5	51.1	51.5	51.0	51.0
	xalan-2.6	52.5	49.1	51.1	60.5	51.2	51.1	62.8	56.5	62.6	62.6
	xerces-1.4	38.2	68.4	62.4	78.5	62.4	62.6	78.2	56.6	78.2	78.2
	ant-1.7	43.1	46.6	44.9	41.0	36.6	36.8	36.6	40.2	41.5	41.9
	camel-1.6	37.4	39.2	37.2	35.3	53.3	50.0	34.4	36.8	37.0	36.9
	ivy-2.0	24.7	31.7	31.2	24.1	20.4	25.5	20.7	37.4	27.8	27.8
poi-3.0	jEdit-4.1	46.8	53.3	46.6	45.3	48.3	49.8	40.6	65.4	52.2	52.2
	log4j-1.2	84.3	64.3	67.6	78.6	50.0	50.1	76.7	41.0	81.1	83.3
	lucene-2.4	79.6	68.2	63.0	77.8	68.8	71.3	77.9	58.5	79.5	79.2
	poi-3.0	53.2	48.9	54.8	53.3	50.8	51.4	51.2	61.4	44.1	44.2
	velocity-1.6.1	61.8	54.4	60.8	61.8	63.9	62.8	61.3	25.2	62.6	62.7
	xalan-2.6	42.1	66.7	67.6	78.9	70.1	66.1	80.1	77.5	77.5	77.8
	xerces-1.4	40.5	46.6	46.7	40.6	36.6	36.8	38.2	60.2	43.3	43.6
	camel-1.6	35.4	31.3	32.0	32.4	53.3	58.4	34.0	37.5	36.1	36.3
velocity-1.6.1	ivy-2.0	22.5	30.7	32.3	26.2	20.4	26.6	20.6	39.2	29.7	29.4
	jEdit-4.1	43.0	51.2	43.3	37.8	41.7	49.8	40.1	63.2	42.5	42.9
	log4j-1.2	82.0	60.6	61.5	78.9	71.1	66.8	56.4	42.4	95.5	95.5
	lucene-2.4	73.6	68.2	63.0	77.8	68.8	71.3	77.9	58.5	79.5	79.2
	poi-3.0	55.9	40.9	58.3	50.7	51.7	54.5	49.5	59.6	53.6	54.9
	velocity-1.6.1	61.6	53.6	56.0	46.7	70.6	57.3	62.3	62.2	61.4	61.2
	xalan-2.6	75.6	60.6	68.8	66.7	60.1	62.1	68.9	78.1	80.5	80.5
	xerces-1.4	42.8	35.8	42.8	38.2	36.6	34.5	34.0	62.0	46.1	47.5
xalan-2.6	camel-1.6	36.3	33.5	33.9	31.9	20.1	45.3	33.9	36.7	39.2	39.1
	ivy-2.0	25.1	27.1	26.9	23.7	36.6	24.5	24.3	40.8	32.9	32.6
	jEdit-4.1	41.1	45.5	36.4	33.2	41.7	40.0	38.5	59.2	60.6	60.4
	log4j-1.2	65.3	63.1	66.4	55.6	52.3	49.9	73.2	43.3	59.7	60.0
	lucene-2.4	59.6	55.4	61.1	59.2	62.3	53.4	69.8	74.4	76.4	74.8
	poi-3.0	49.1	55.7	69.8	58.5	78.2	56.5	74.6	52.2	83.3	82.5
	xalan-2.6	61.6	53.6	56.0	46.7	70.6	57.3	62.3	62.2	61.4	61.2
	xerces-1.4	71.0	65.2	68.0	63.5	52.3	42.8	43.0	66.0	81.1	81.1
xerces-1.4	ant-1.7	44.6	48.2	48.3	42.9	52.3	43.6	35.5	38.5	53.3	53.6
	camel-1.6	39.4	36.8	36.4	38.6	43.3	53.7	33.9	34.4	38.8	40.5
	ivy-2.0	28.4	30.2	30.9	28.5	47.6	32.3	19.8	16.0	37.0	36.4
	jEdit-4.1	51.4	49.2	50.7	51.9	41.7	57.0	39.9	60.1	60.6	60.0
	log4j-1.2	56.4	68.9	73.4	67.4	47.7	45.2	63.0	43.4	55.3	55.3
	lucene-2.4	69.7	63.4	63.4	64.6	72.3	63.3	70.5	67.2	76.1	75.9
	poi-3.0	51.9	65.9	76.4	76.8	78.2	68.6	75.8	42.6	80.1	80.4
	velocity-1.6.1	57.4	51.3	56.9	51.6	59.3	51.3	48.9	51.3	51.5	55.7
xerces-1.4	xerces-1.4	66.3	70.3	74.9	67.7	52.2	51.1	54.3	41.6	54.1	54.3
	ant-1.7	40.9	44.4	43.8	42.9	23.3	23.6	39.9	58.6	38.5	38.3
	camel-1.6	37.3	37.3	35.0	38.7	23.0	23.7	36.8	36.8	32.4	32.7
	ivy-2.0	27.5	25.3	32.2	27.5	47.4	32.6	22.7	29.8	29.4	29.2
	jEdit-4.1	48.6	46.2	51.9	49.0	41.7	57.0	53.8	53.3	60.8	60.2
	log4j-1.2	75.2	69.4	67.4	79.4	23.4	42.1	81.8	36.8	41.3	41.3
	lucene-2.4	73.3	71.2	73.3	64.9	62.3	68.3	74.0	75.1	77.2	77.2
	poi-3.0	78.7	51.2	58.2	70.9	48.2	38.6	76.6	52.9	79.7	79.7
xerces-1.4	velocity-1.6.1	50.3	72.4	70.5	49.4	46.2	51.3	51.5	84.2	53.3	53.1
	xalan-2.6	50.0	51.2	54.8	61.8	45.4	23.1	53.6	63.6	54.1	54.3
	xerces-1.4	52.3	57.2	49.4	57.7	48.2	56.2	59.8	61.4	53.8	61.7
AVG	-	51.3	50.3	51.4	47.8	49.3	46.3	50.0	51.6	55.8	56.7

TABLE III  
F1 VALUE OF 90 PAIRS CPDP TASKS ON TEN METHODS

Train project	Test project	Traditional	DPDBN	DPCNN	Node2defect	DTL-DP	Codebert	GCN2defect	UDA-DP	MVHR-DP	MVHR-CPDP
ant-1.7	camel-1.6	10.4	11.0	5.9	7.7	3.5	24.1	6.1	16.3	11.0	11.0
	ivy-2.0	25.1	21.2	25.9	30.7	40.4	22.1	1.7	41.3	27.7	32.9
	jEdit-4.1	39.6	30.6	26.3	20.2	22.9	32.7	12.8	47.7	13.4	46.6
	log4j-1.2	9.0	23.4	-6.0	3.6	8.6	12.1	4.4	14.8	7.8	3.9
	lucene-2.4	22.3	20.1	11.3	15.4	23.8	19.6	-5.6	38.4	48.7	31.8
	poi-3.0	45.2	31.3	28.1	-1.8	9.6	27.4	9.6	1.4	-1.4	47.3
	velocity-1.6.1	25.5	26.4	20.5	13.0	30.7	17.0	-6.5	11.4	23.9	20.9
	xalan-2.6	17.4	22.6	14.7	11.3	17.6	31.8	-17.9	34.4	34.5	17.3
camel-1.6	xerces-1.4	10.6	23.4	19.3	15.8	3.3	20.4	-9.0	56.5	21.0	23.3
	ant-1.7	12.6	16.3	19.6	-5.7	-19.4	1.6	11.1	14.6	12.6	23.9
	ivy-2.0	11.0	-2.7	11.5	-1.7	-2.7	15.9	11.7	11.3	14.2	2.7
	jEdit-4.1	16.2	-14.1	36.5	4.7	-4.2	11.8	-8.9	22.5	27.5	4.8
	log4j-1.2	-1.6	-1.9	3.7	-4.1	6.7	5.3	-13.8	3.3	8.0	9.1
	lucene-2.4	4.3	-1.9	-0.1	-17.6	16.2	2.2	6.5	24.9	14.0	13.8
	poi-3.0	5.8	-1.6	5.9	0.6	-6.9	16.6	12.0	12.0	3.2	-26.4
	velocity-1.6.1	19.5	19.1	20.5	24.1	-29.4	19.2	7.3	15.0	19.2	6.8
ivy-2.0	xalan-2.6	24.2	19.3	17.2	19.4	-5.1	2.4	-5.2	5.5	11.3	13.7
	xerces-1.4	-28.5	-1.6	26.0	-0.9	4.3		-14.3	23.2	17.5	22.5
	ant-1.7	31.3	14.9	9.8	21.6	0.5	0.0	10.2	6.8	32.5	29.8
	camel-1.6	4.4	9.7	0.5	5.5	17.1	6.5	-1.2	17.5	9.1	19.2
	jEdit-4.1	31.3	23.4	11.0	13.9	38.1	25.6	1.6	9.0	20.5	46.8
	log4j-1.2	6.8	1.6	5.8	-4.9	20.5	9.2	8.1	4.4	11.3	11.7
	lucene-2.4	14.3	7.5	24.5	18.7	10.8	12.3	0.3	28.2	44.1	31.2
	poi-3.0	2.3	8.3	19.1	-2.1	-14.7	16.9	19.5	35.7	30.1	56.6
jEdit-4.1	velocity-1.6.1	23.0	6.2	6.6	-4.3	9.2	2.6	11.1	33.8	29.5	21.0
	xalan-2.6	4.3	-5.5	2.0	-3.9	6.2	0.0	-8.9	35.5	31.2	23.6
	xerces-1.4	17.7	0.3	-28.4		16.8	21.2	-15.8	36.6	48.9	50.4
	ant-1.7	37.0	24.6	14.7	20.6	39.8	-2.0	13.2	19.7	16.7	29.7
	camel-1.6	8.1	10.6	4.2	7.5	15.0	12.6	9.3	15.3	14.0	15.6
	ivy-2.0	17.2	23.5	27.1	1.1	32.6	32.3	-0.2	10.2	16.3	24.4
	log4j-1.2	10.9	-11.7	-6.6	-1.9	10.2	9.1	12.0	1.7	10.8	11.0
	lucene-2.4	24.2	28.9	27.9	-5.2	20.2	13.6	-2.6	31.3	34.4	37.0
log4j-1.2	poi-3.0	26.0	29.9	36.5	5.4	40.4	17.1	17.5	5.8	3.2	41.2
	velocity-1.6.1	26.0	23.0	-11.0	4.6	26.5	4.8	3.5	16.2	20.6	10.3
	xalan-2.6	5.2	6.5	1.3	4.2	26.6	-7.8	10.3	32.3	32.4	17.4
	xerces-1.4	-6.5	35.7	7.5	36.9	20.1	301.2	2.5	58.7	52.7	52.7
	ant-1.7	2.0	-5.5	0.3	7.9	-5.5	18.2	17.2	18.2	18.1	20.6
	camel-1.6	2.4	1.0	-7.7	5.3	1.0	9.5	-8.9	9.5	10.1	16.8
	jEdit-4.1	0.0	-8.0	5.9	4.3	-8.0	8.9	10.8	8.9	11.7	13.2
	ivy-2.0	3.3	-12.8	21.2	7.2	-12.8	10.1	11.0	10.1	13.0	14.0
lucene-2.4	lucene-2.4	0.0	11.0	-0.2	-5.3	11.0	15.5	6.7	15.5	-7.2	15.9
	poi-3.0	0.0	-6.9	-13.5	24.4	-6.9	16.6	14.3	16.6	12.5	15.0
	velocity-1.6.1	-9.2	-6.2	-22.7	-1.3	-6.2	10.5	4.8	10.5	18.2	20.3
	xalan-2.6	-3.8	-23.8	-7.6	-6.4	-23.8	-1.6	4.5	-1.6	9.1	10.0
	xerces-1.4	0.0	-4.7	-25.4	10.4	-4.7	12.1	12.5	-32.1	7.0	8.6
	ant-1.7	23.4	25.2	24.3	17.0	6.8	2.0	2.1	17.6	22.8	18.6
	camel-1.6	14.4	14.1	14.7	8.2	8.8	8.4	3.0	15.1	19.5	14.7
	ivy-2.0	17.3	21.2	23.3	12.6	-1.9	15.1	12.7	11.7	24.7	21.9
poi-3.0	jEdit-4.1	24.9	27.4	20.8	19.1	30.5	26.7	10.0	13.6	18.9	31.4
	log4j-1.2	7.3	9.1	0.9	-1.7	11.5	6.2	14.9	0.5	4.1	6.2
	lucene-2.4	28.2	31.3	24.8	22.7	16.0	18.0	26.2	15.6	24.2	34.8
	poi-3.0	16.6	19.5	26.2	18.8	16.0	16.5	25.1	17.2	22.2	-2.6
	velocity-1.6.1	11.4	9.6	23.2	16.2	11.4	-2.0	-2.0	12.6	23.2	25.0
	xalan-2.6	43.2	40.1	30.3	39.9	20.1	13.2	-4.5	20.6	32.5	34.1
	xerces-1.4										
	ant-1.7	17.9	27.0	27.4	16.0	-5.5	2.8	10.6	28.0	34.3	24.2
velocity-1.6.1	camel-1.6	8.2	5.1	5.8	2.5	7.5	26.2	20.0	16.1	13.6	10.5
	ivy-2.0	9.4	16.4	24.8	18.7	5.8	18.8	1.3	33.4	27.5	24.1
	jEdit-4.1	13.6	29.5	15.1	-0.2	21.5	27.3	10.3	20.6	25.9	13.6
	log4j-1.2	6.9	-7.1	3.1	8.9	13.6	0.0	-1.1	1.0	-3.4	-3.4
	lucene-2.4	14.2	15.3	25.9	20.2	7.0	13.6	1.4	35.6	59.1	15.1
	poi-3.0	26.4	8.4	31.6	12.4	-23.7	21.9	-8.6	19.8	20.6	16.9
	velocity-1.6.1	9.1	4.5	12.0	-17.2	-4.5	-18.5	0.5	25.7	49.5	15.0
	xalan-2.6	-3.9	32.6	-5.5		30.2	31.0	5.3	59.8	48.1	48.1
xalan-2.6	xerces-1.4										
	ant-1.7	20.3	21.3	20.6	13.6	-38.9	-2.8	-5.1	20.6	36.7	34.3
	camel-1.6	12.0	9.7	9.5	6.5	14.2	11.1	2.6	14.9	17.8	15.6
	ivy-2.0	12.9	18.1	16.0	9.8	41.6	11.0	12.7	35.5	28.6	29.8
	jEdit-4.1	11.8	9.2	-1.6	2.8	19.9	11.0	-3.4	18.9	13.3	47.9
	log4j-1.2	20.2	-6.0	-14.3	20.3	16.2	14.3	10.6	6.9	14.3	15.6
	lucene-2.4	8.5	17.3	11.7	12.6	-0.1	8.1	10.3	36.5	25.4	31.4
	poi-3.0	-11.0	5.3	11.0	26.2	-11.0	12.0	9.3	12.3	28.2	58.6
xerces-1.4	xalan-2.6	12.6	11.4	4.7	23.0	41.2	-0.3	8.1	32.0	43.5	56.4
	xerces-1.4	14.4	25.6	15.4	16.3	15.2	17.2	20.3	21.8	21.5	26.8
	ant-1.7	25.7	27.9	30.8	20.7	41.6	23.0	9.5	15.3	33.0	37.5
	camel-1.6	17.7	17.7	12.8	16.1	2.6	20.8	2.5	15.2	13.5	20.1
	ivy-2.0	20.0	19.6	24.3	20.4	14.0	26.5	21.7	21.3	23.4	29.9
	jEdit-4.1	32.2	24.0	28.9	32.2	2.9	38.6	10.2	26.1	28.5	44.9
	log4j-1.2	5.3	-8.3	-11.1	17.8	30.2	17.2	6.2	-9.6	15.2	18.2
	lucene-2.4	20.1	22.1	11.5	16.3	28.7	21.5	5.7	26.2	42.6	27.7
xerces-1.4	poi-3.0	42.5	28.7	30.3	30.7	32.2	25.7	4.7	9.3	1.4	32.9
	velocity-1.6.1	28.0	28.6	27.9	16.6	-4.8	20.0	21.7	18.6	23.6	26.3
	xerces-1.4	30.8	43.3	41.7	26.7	31.2	20.0	31.3	24.5	53.0	53.0
	ant-1.7	17.9	23.6	22.5	22.3	23.6	15.2	16.8	15.2	11.3	11.0
	camel-1.6	13.7	14.7	10.1	17.5	14.7	15.4	14.1	15.4	6.0	6.4
	ivy-2.0	19.9	13.5	26.1	20.5	13.5	23.1	10.7	23.1	20.3	20.4
	jEdit-4.1	26.4	19.9	30.1	27.3	19.9	36.7	38.6	36.7	45.6	44.7
	log4j-1.2	-15.4	1.7	-13.9	-1.1	1.7	-1.1	-7.1	-1.1	6.7	6.7
xerces-1.4	lucene-2.4	30.5	28.2	32.0	5.5	28.2	22.5	15.3	22.5	28.3	28.3
	poi-3.0	15.1	17.4	30.0	2.7	17.4	15.3	23.9	15.3	29.6	29.7
	velocity-1.6.1	33.9	20.5	29.0	9.2	20.5	10.5	9.9	10.5	16.6	15.8
	xalan-2.6	22.7	8.4	7.0	16.7	8.4	27.1	-5.8	27.1	0.6	0.9
AVG	-	14.7	13.5	12.9	10.9	11.1	17.3	6.5	19.2	21.8	23.2