

TABLE III  
METRICS EXTRACTED FROM JASOME AND APPLIED AGGREGATION METHODS

Short name	Full name	Type	Sum() aggregation	Max() aggregation	Avg() aggregation
TLOC	Total Lines of Code	Size	x	-	-
RTLOC	Raw Total Lines of Code	Size	x	-	-
NF	Number of Attributes	Size	x	-	x
NSF	Number of Static Attributes	Size	x	-	x
NPF	Number of Public Attributes	Size	x	-	x
NM	Number of Methods	Size	x	-	x
NSM	Number of Static Methods	Size	x	-	x
NPM	Number of Public Methods	Size	x	-	x
NOC	Number of Classes	Size	x	-	-
DIT	Depth of Inheritance Tree	Complexity	-	x	x
NORM	Number of Overridden Methods	Complexity	x	-	x
NMI	Number of Inherited Methods	Complexity	x	-	x
NMA	Number of Methods Added to Inheritance	Complexity	x	-	x
SIX	Specialization Index	Complexity	x	-	x
Mit	Number of Methods Inherited Total	Complexity	x	-	x
Mi	Number of Methods Inherited	Complexity	x	-	x
Md	Number of Methods Defined	Complexity	x	-	x
Mo	Number of Methods Overridden	Complexity	x	-	x
Ma	Number of Methods (All)	Complexity	x	-	x
MIF	Method Inheritance Factor	Complexity	-	-	x
PMd	Number of Public Methods Defined	Size	x	-	x
PMi	Number of Public Methods Inherited	Size	x	-	x
PMR	Public Methods Ratio	Size	-	-	x
HMd	Number of Hidden Methods Defined	Size	x	-	x
HMi	Number of Hidden Methods Inherited	Size	x	-	x
MHF	Method Hiding Factor	Complexity	-	-	x
PF	Polymorphism Factor	Complexity	x	-	-
Ait	Number of Attributes Inherited Total	Complexity	x	-	x
Ad	Number of Attributes Defined	Complexity	x	-	x
Ao	Number of Attributes Overridden	Complexity	x	-	x
Aa	Number of Attributes (All)	Size	x	-	x
AIF	Attribute Inheritance Factor	Complexity	-	-	x
Av	Number of Public Attributes Defined	Size	x	-	x
AHF	Attribute Hiding Factor	Complexity	-	-	x
VG	McCabe Cyclomatic Complexity	Complexity	x	x	x
WMC	Weighed Methods per Class	Complexity	x	x	-
LCOM	Lack of Cohesion Methods	Complexity	x	x	x
NOI	Number of Interfaces	Complexity	x	-	-
Ca	Afferent Coupling	Complexity	x	-	-
Ce	Efferent Coupling	Complexity	x	-	-
NBD	Nested Block Depth	Complexity	x	x	x
NOCh	Number of Children	Complexity	x	-	x
NOPa	Number of Parents	Complexity	x	-	x
NOD	Number of Descendants	Complexity	x	-	x
NOA	Number of Ancestors	Complexity	x	-	x
NOL	Number of Links	Complexity	x	-	x
MCLC	McClure's Complexity Metric	Complexity	x	x	x
Fout	Fan-out	Complexity	x	x	x
Fin	Fan-in	Complexity	x	x	x
Si	Structural Complexity	Complexity	x	x	x
IOVars	Input/Output Variables	Complexity	x	x	x
Di	Data Complexity	Complexity	x	x	x
PkgTCi	Package Total System Complexity	Complexity	x	-	-
PkgRCi	Package Relative System Complexity	Complexity	x	-	-