

A short comparison of object-oriented languages

Features	S i m u l a 6 7	o b j · P a s c a l	C + +	M o d u l a 3	S m a l l t a l k	E i f f e l	A d a	B e t a	J a v a	L o g l a n 8 2
Modularisation										
nesting of modules	+	+	-	-	-	-	+	+	+	+
inheritance	+	+	+	+	+	+	-	+	+	+
- multilevel	-	-	-	-	-	-	-	+	+	+
- multiple	-	-	+	-	+	+	-	-	+	-
- in functions	-	-	-	-	-	-	-	+	-	+
static binding	+	+	-	+	-	-	+	+	+	+
Classes & Objects	+	+	+	+	+	+	+	+	+	+
Coroutines	+	-	-	+	-	-	-	+	-	+
Processes	-	-	-	+	-	-	+	+	+	+
- alien calls	-	-	-	-	-	-	-	-	-	+
Signals & Exceptions	-	-	+	-	-	-	+	+	+	+
Safety										
safe deallocation	-	-	-	-	-	-	-	-	-	+
type checking	+	+	-	-	-	-	+	+	+	+
protection of private	+	-	-	+	-	-	+	+	+	+
Genericity										
types as formal parameters	-	-	-	-	-	-	-	-	-	+
virtual methods	+		+		+	+	-	+	+	+
overloading	-		+	+		+	+	+	+	-