

# Kozmos Operators and Constants

The following chart lists the built-in operators of the **Kozmos** programming language:

Category	Subcategory	Operator
Arithmetic	addition	<code>a + b</code>
	subtraction	<code>a - b</code>
	multiplication	<code>a * b</code>
	division	<code>a / b</code>
		<code>a div b</code>
		<code>a mod b</code>
	extrema	<code>a min b; min(a, b, c, ...)</code>
		<code>a max b; max(a, b, c, ...)</code>
Relational	equals	<code>a = b</code>
	not equals	<code>a &lt;&gt; b</code>
	less than	<code>a &lt; b</code>
	greater than	<code>a &gt; b</code>
	at least	<code>a &gt;= b</code>
	at most	<code>a &lt;= b</code>
Logical	conjunction	<code>a and b</code>
	disjunction	<code>a or b</code>
Bitwise	and	<code>a &amp; b</code>
	or	<code>a \   b</code>
	xor	<code>a ! b</code>
	not	<code>~a</code>
Assignment	Single variable	<code>a := b</code>
	Data structure	<code>A[i] :&lt;operator&gt;= b</code>

**Kozmos** also provides the following built-int constants:

Category	Constant
Arithmetic	<code>+Inf</code>
	<code>-Inf</code>

Category	Constant
	NaN
Boolean	True
	False
Reference	Nil