
Subject: Re: prespec git updates

Posted by [Michael Reese](#) on Mon, 01 Aug 2016 11:35:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

There is a new feature in the config file parser.

It can evaluate integer expressions now.

If it finds curly braces, it will evaluate the expression inside and replace the complete string (including the curly braces) with the result of that expression. It supports common operator priority ('^' binds more than '*' or '/' which bind more than '+' and '-') and parentheses '(' and ')'. Example:

```
"{2+2*3}" -> "8"
```

```
"{(2+2)*3}" -> "12"
```

It is in particular meant to be used in for loops, for example:

```
processor even_channels UTILS.SingleArray
  for $i in [0:15]
    array[$i] <- AdcCrate.adc[{2*$i}]
  end
end
```

```
processor odd_channels UTILS.SingleArray
  for $i in [0:15]
    array[$i] <- AdcCrate.adc[{2*$i+1}]
  end
end
```