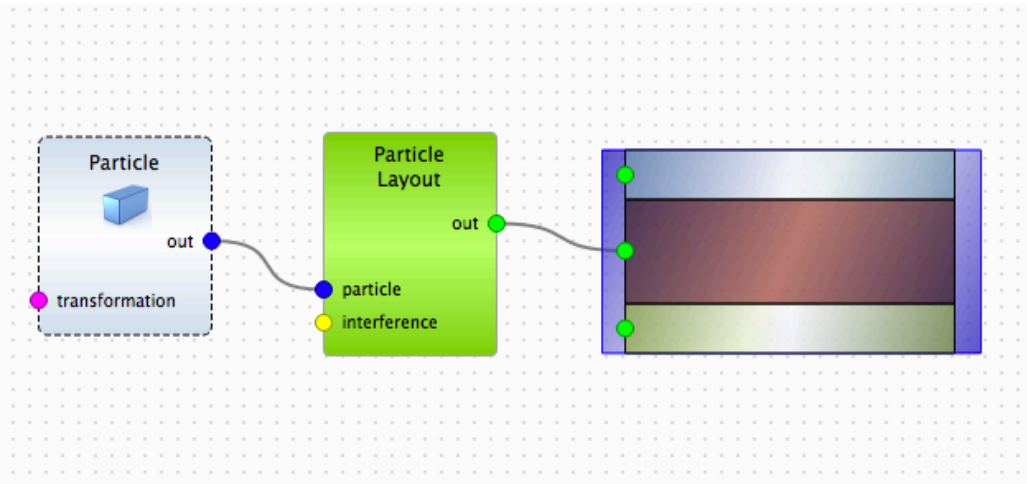


Exercise 3: particle rotation

Tasks

Use the sample from exercise2. Particles should be placed on the bottom of the polymer layer.



Property	Value
Particle	
▼ Form Factor	Box
Length	20.000
Width	20.000
Height	10.000
Material	■ Si
Abundance	1.000
▼ Position Offset	(0, 0, -50)
X	0.000
Y	0.000
Z	-50.000

1. Rotate particles around X axis by 45°. Does the particle position need to be adjusted? Set the correct value for the particle position.
2. Repeat the same for Y and Z axis.
3. **Advanced:** Create Euler rotation which turns the particle upside down and rotates it by 30 degree around Z axis. How to represent the same transformation with the set of consequent simple rotations? Adjust the particle position if needed.

Particle rotation [documentation](#)