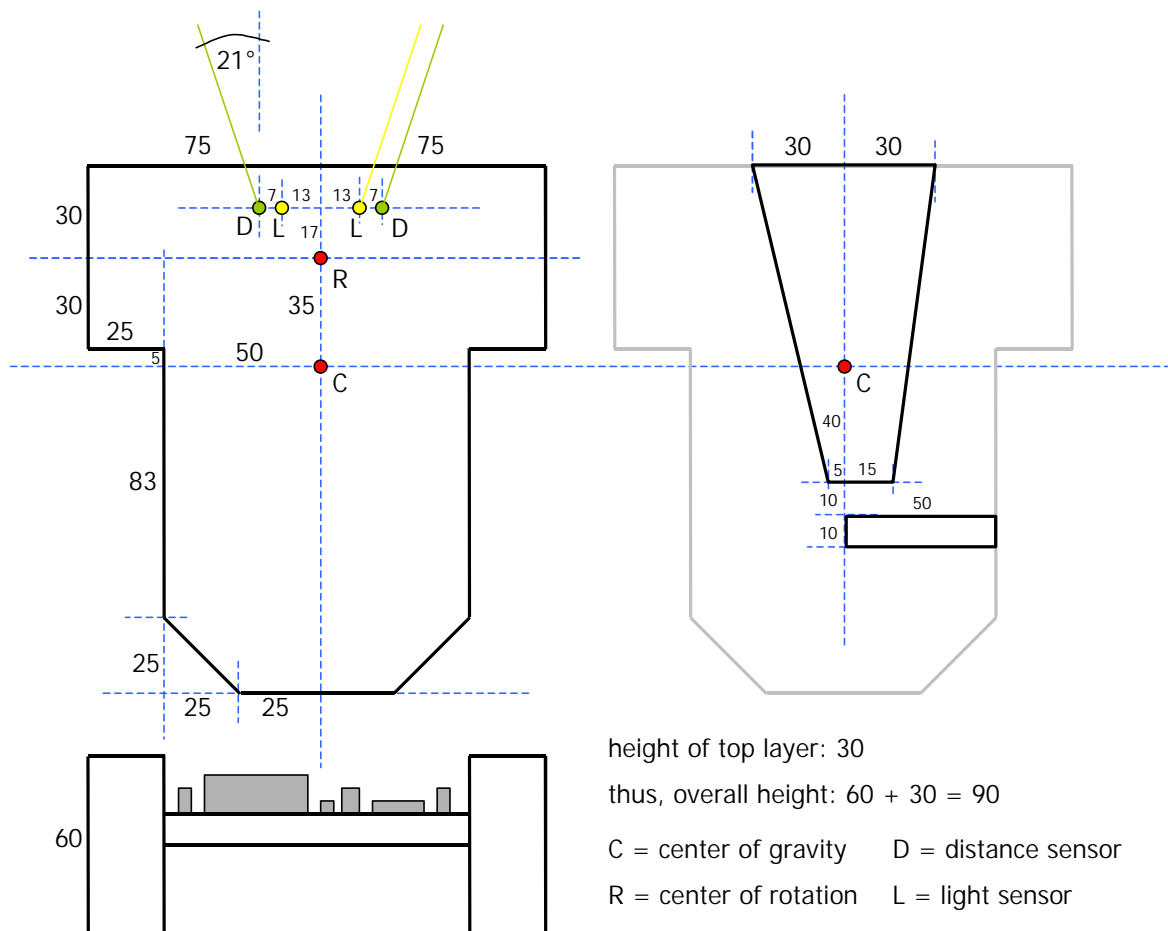


Evolving Walking Robots: Model of "Fahrende Platine"

See below the model of "Fahrende Platine". Since "Fahrende Platine" uses a differential drive, we have two degrees of freedom: left and right motor. The mapping from output neurons to the motors is as follows:

- full speed forward if the corresponding motor neuron is 1,
- resting if the neuron is 0, and
- full speed backwards if it is 1.

At full speed "Fahrende Platine" travels 10,2 centimeters per second.



All measures are in millimeters. The overall body mass is $m_{\text{body}}=0,25\text{kg}$.

Note: The light sensors are 43mm above the floor, the distance sensors are 65mm above the floor.