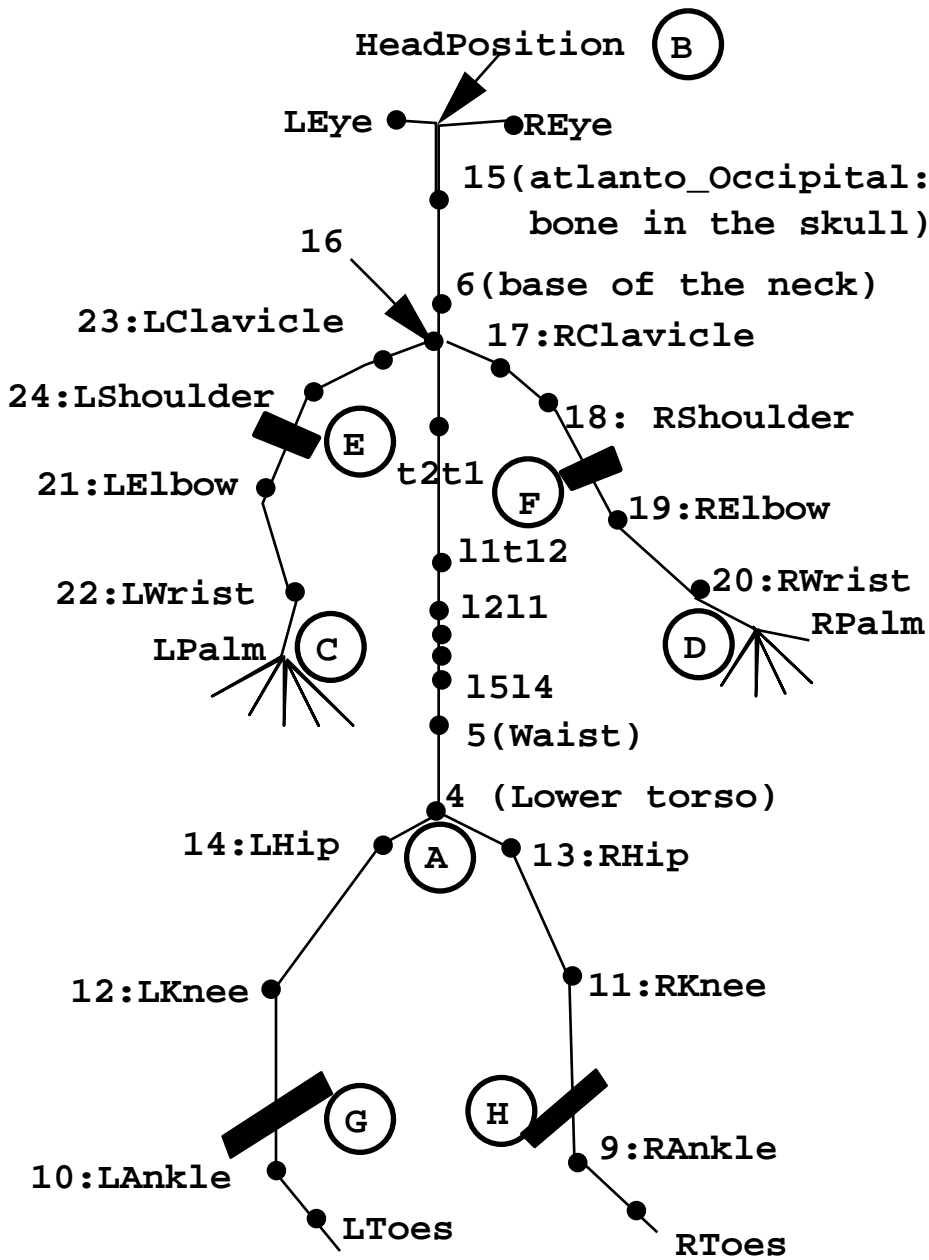
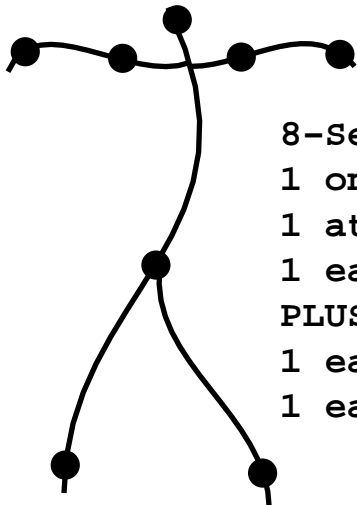


extract as fig1.eps



The location of eight sensors A-H



8-Sensor positions:

1 on the head

1 at the pelvic

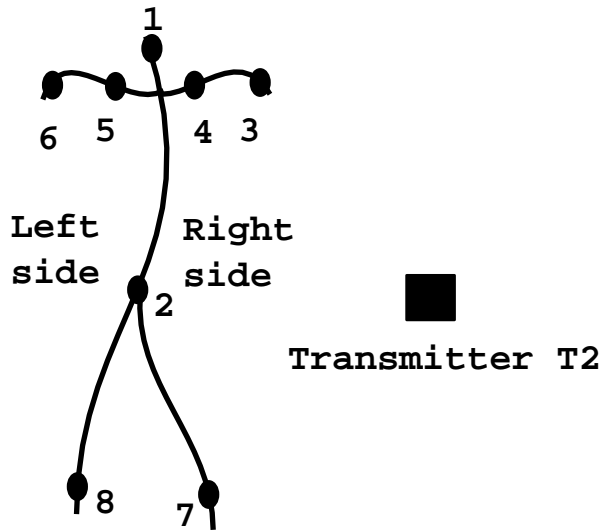
1 each on both palms

PLUS

1 each on both ankles

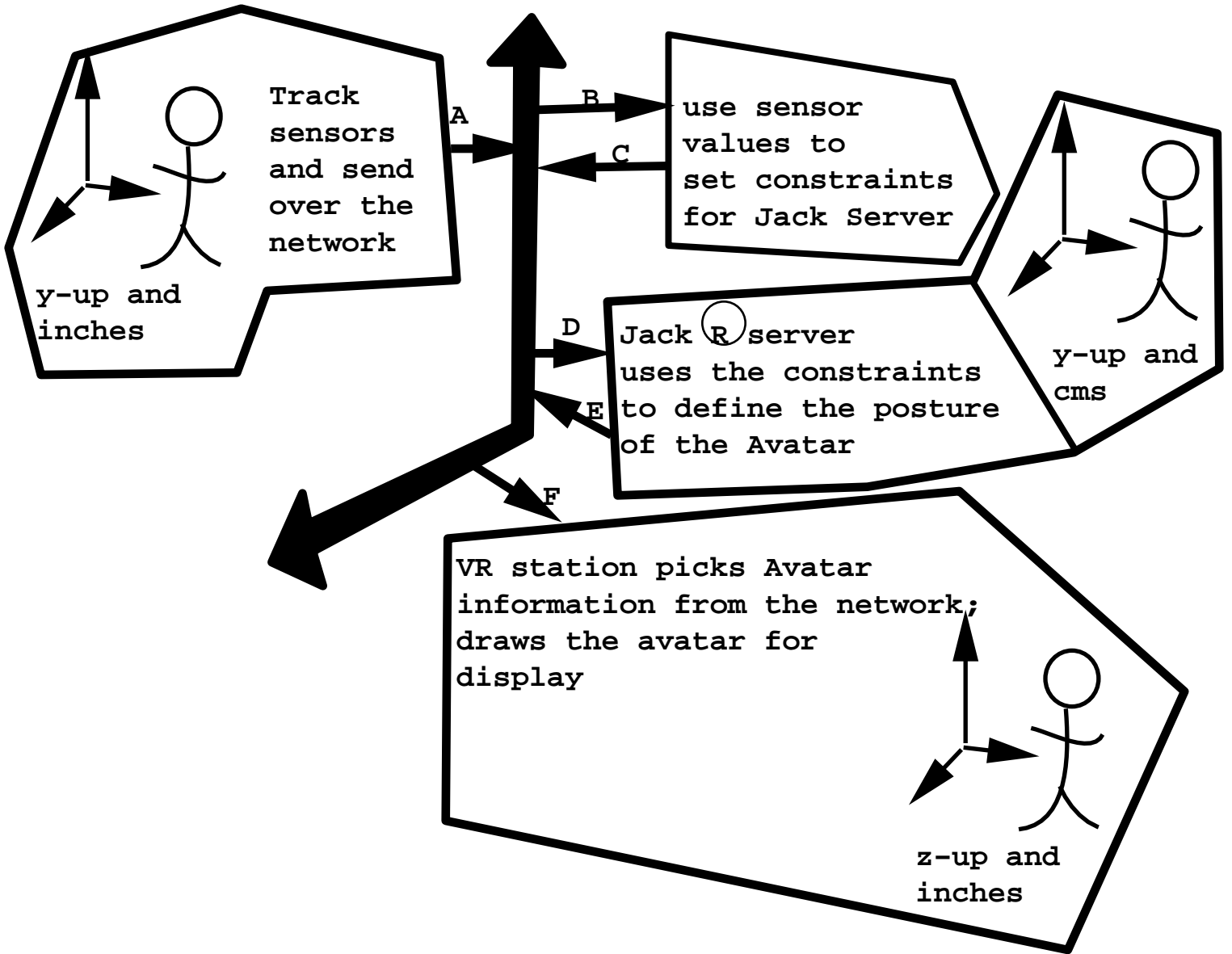
1 each on middle of both upperarms

■ Transmitter T1

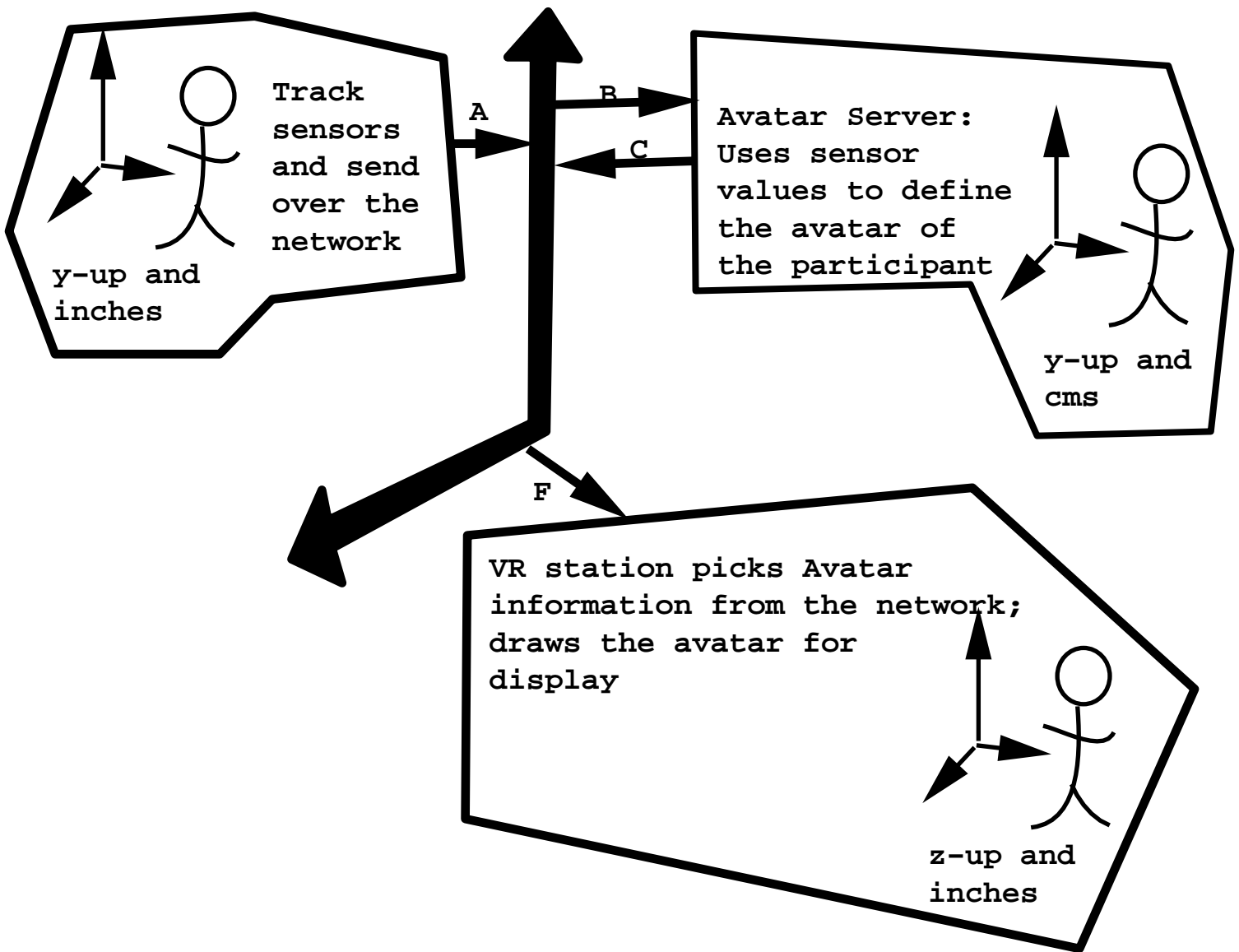


Sensors 1-4 are read by transmitter 1  
Sensors 5-8 are read by transmitter 2

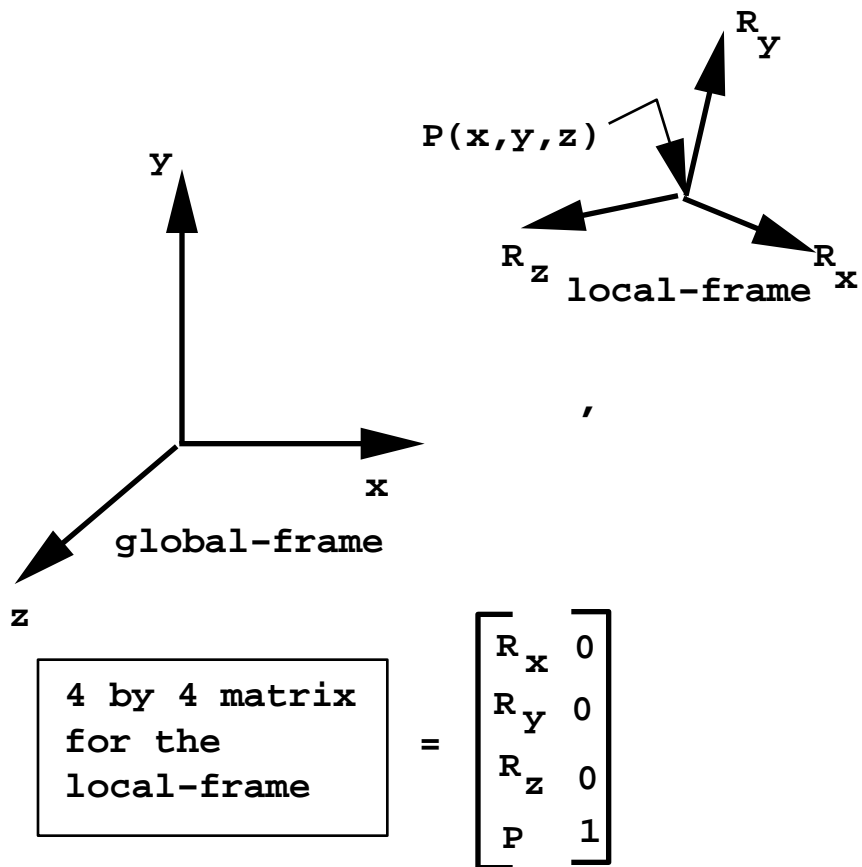
extract as fig3.eps



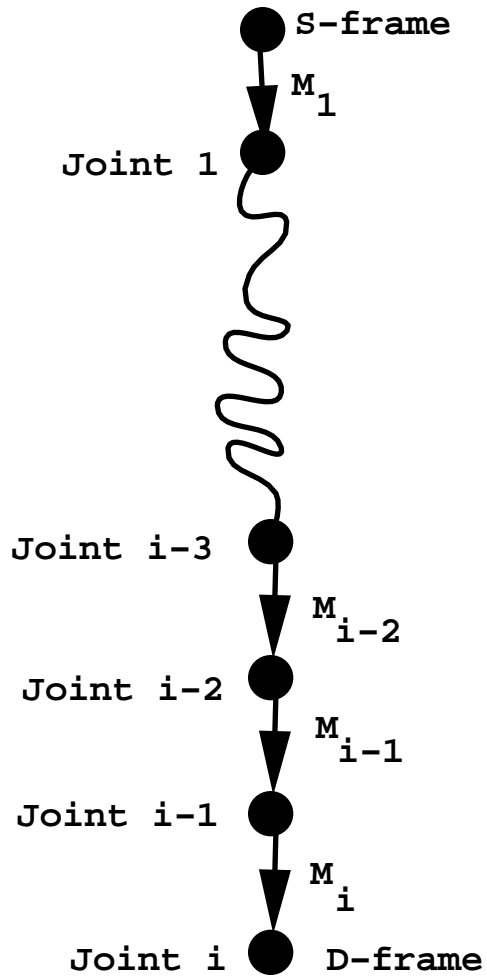
extract as fig4.eps



extract as fig5.eps



extract as fig6.eps

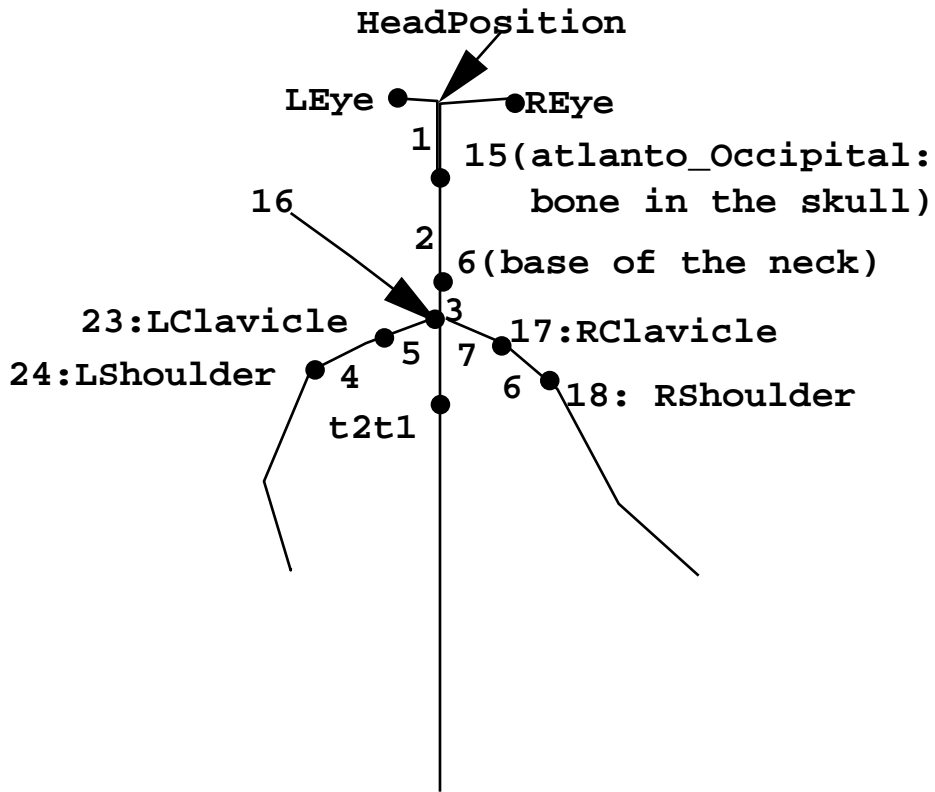


Animate Transform  $M_i =$

$$\left[ \text{S-frame} * M_1 \bullet \bullet \bullet M_{i-2} * M_{i-1} \right]^{-1} * \text{D-frame}$$

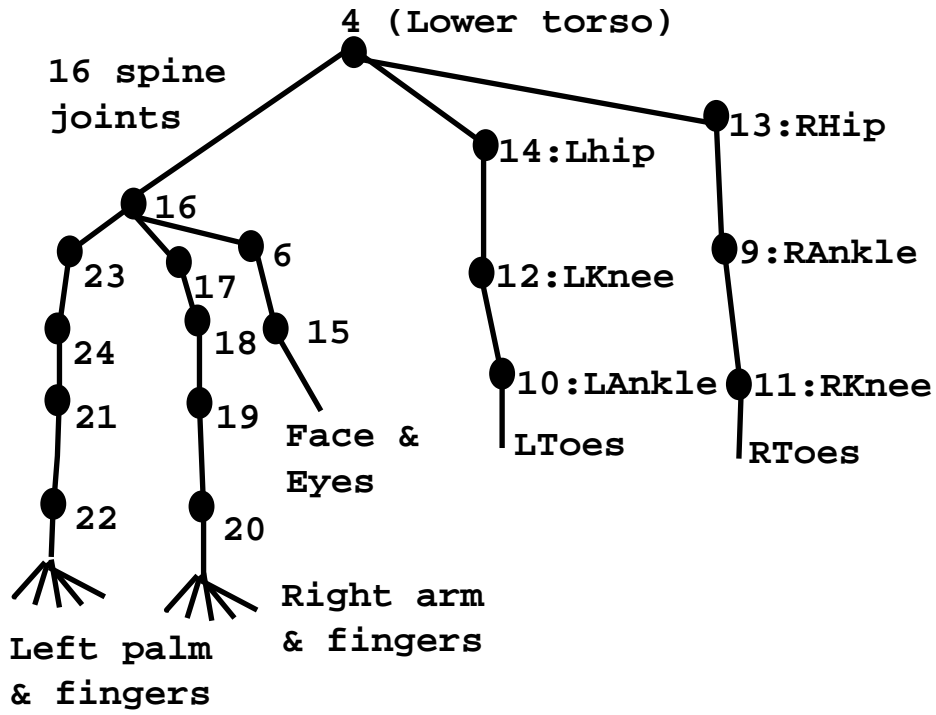
\* => concatenate

extract as fig7.eps

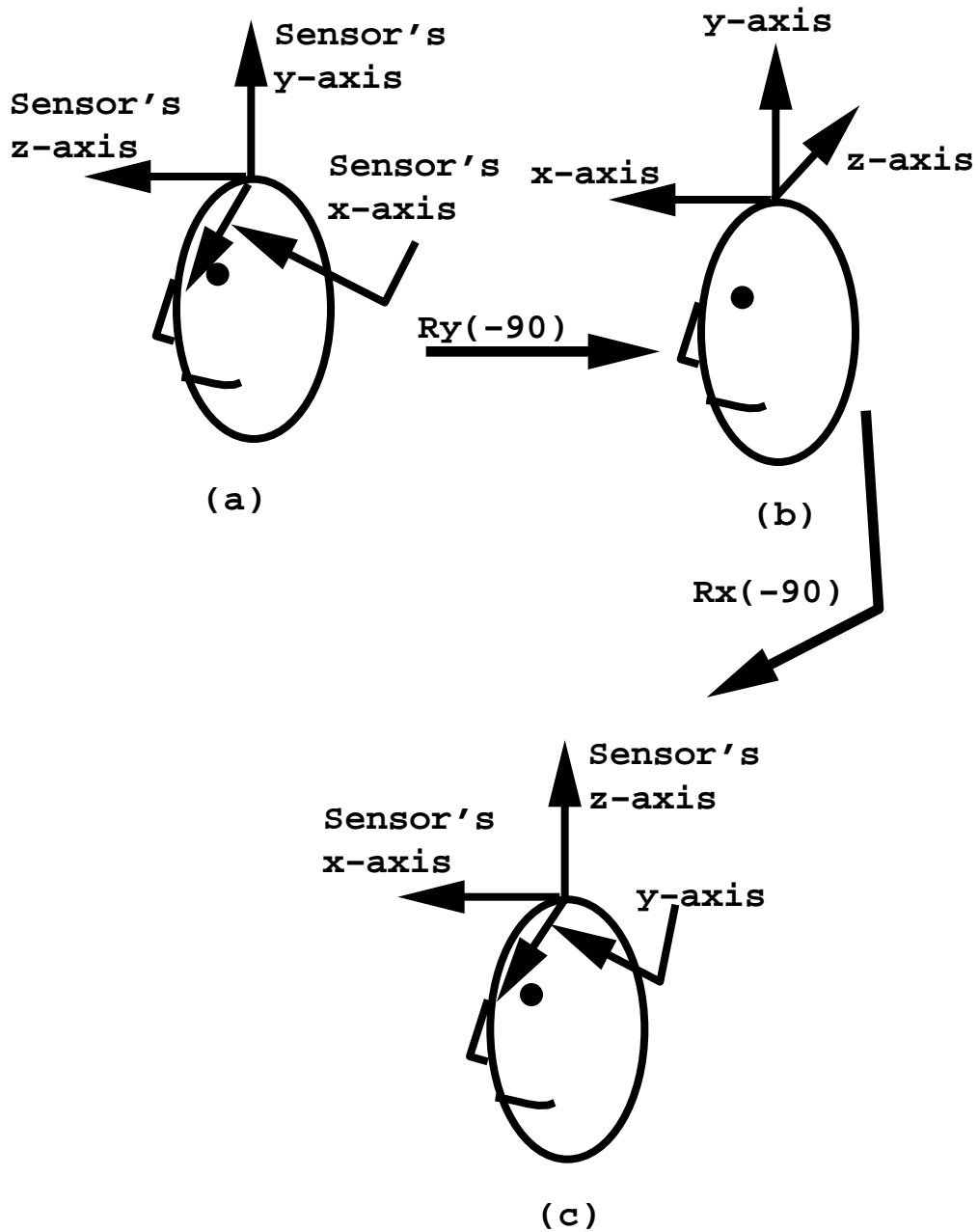


extract as fig8.eps



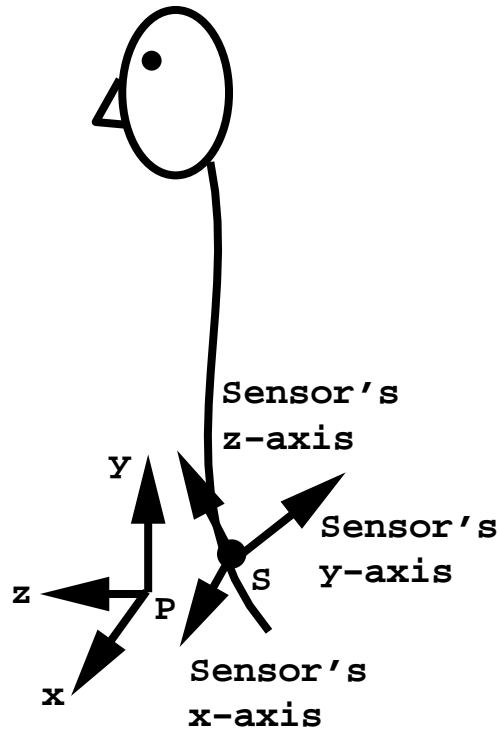
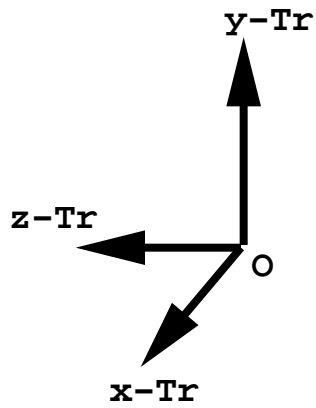


extract as fig9.eps



extract as fig10.eps

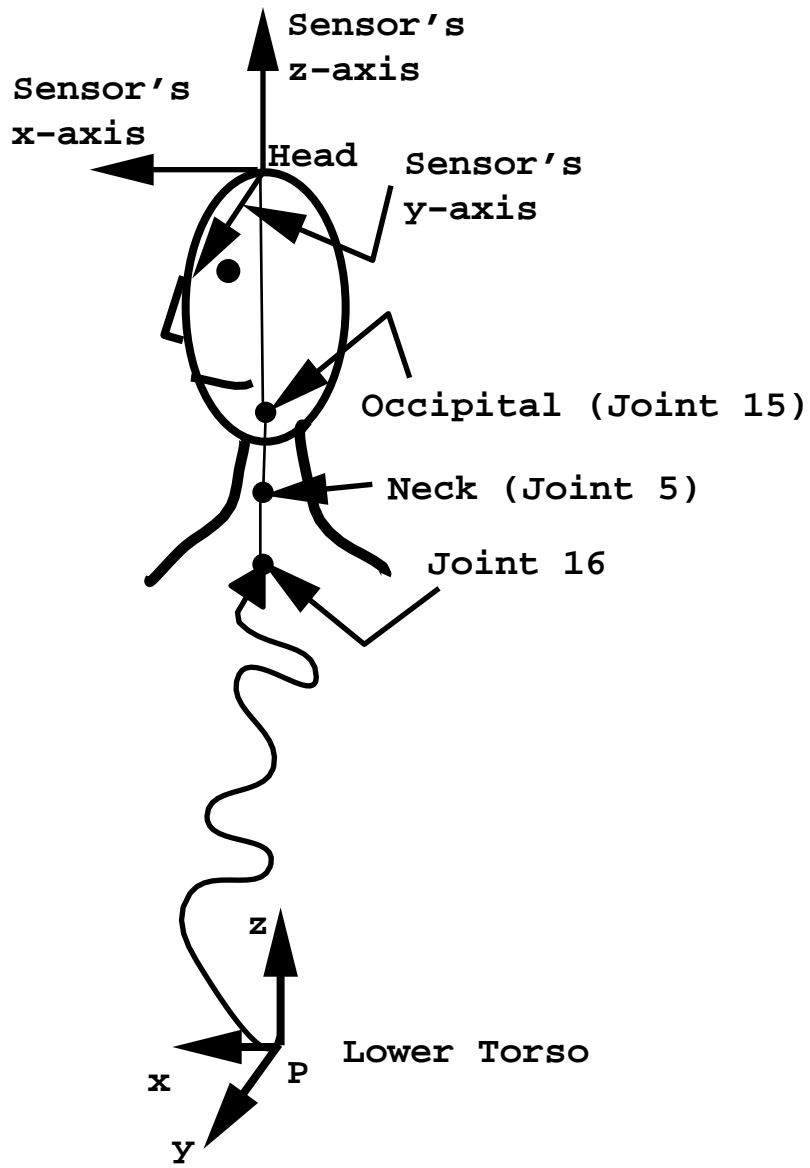
Transmitter



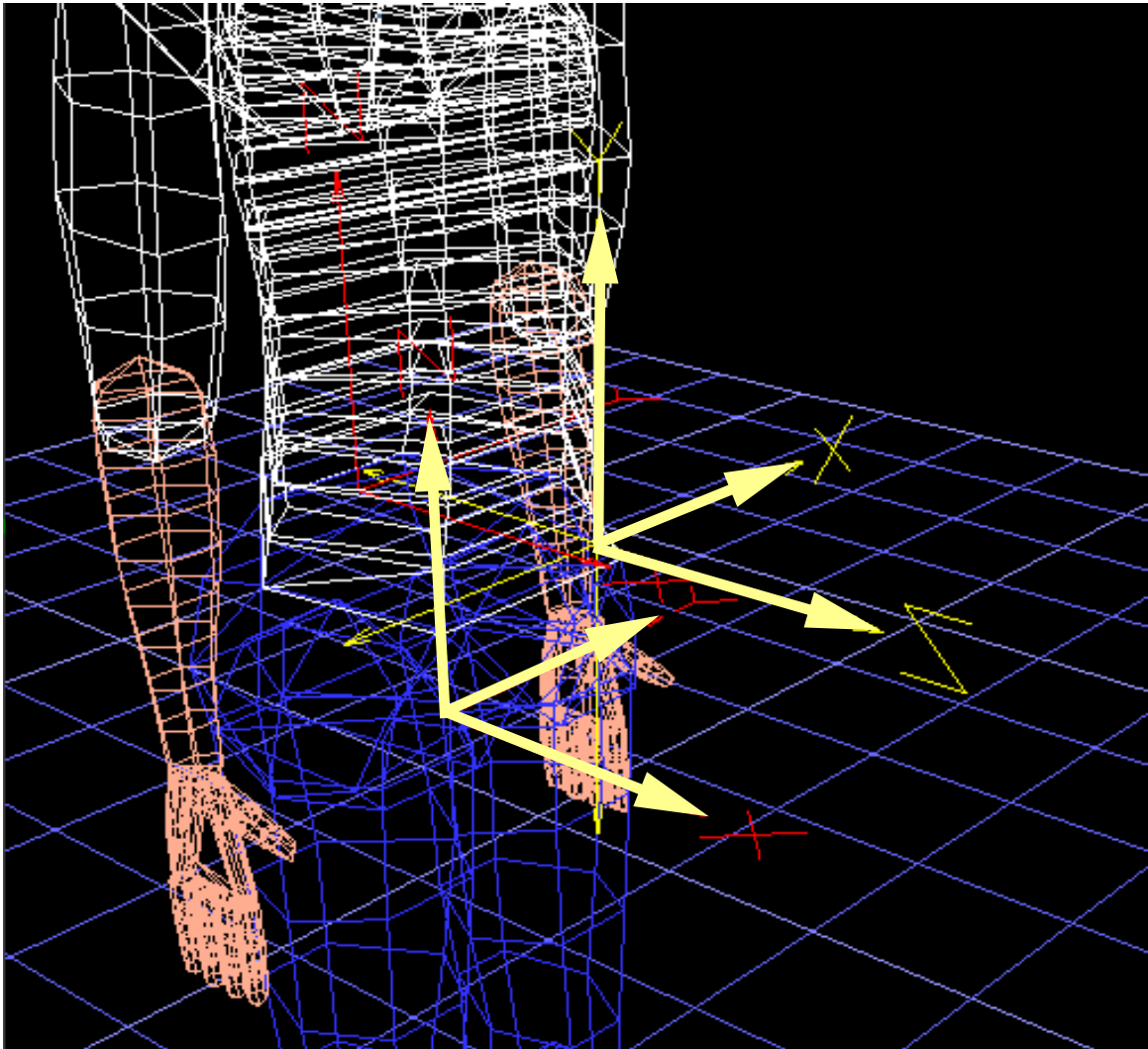
S: Back sensor site

P: Pelvic Position (not to scale)

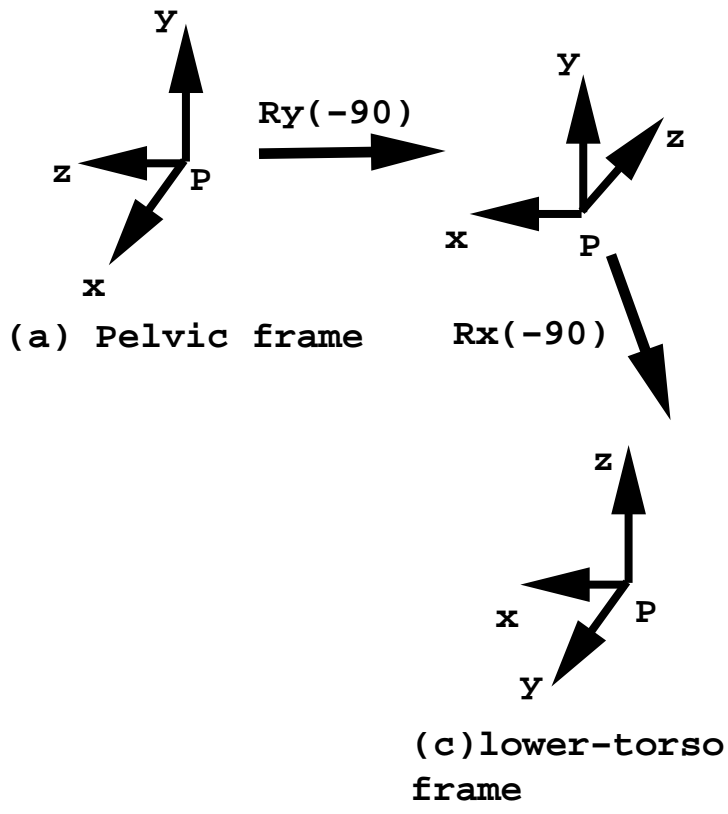
extract as fig11.eps



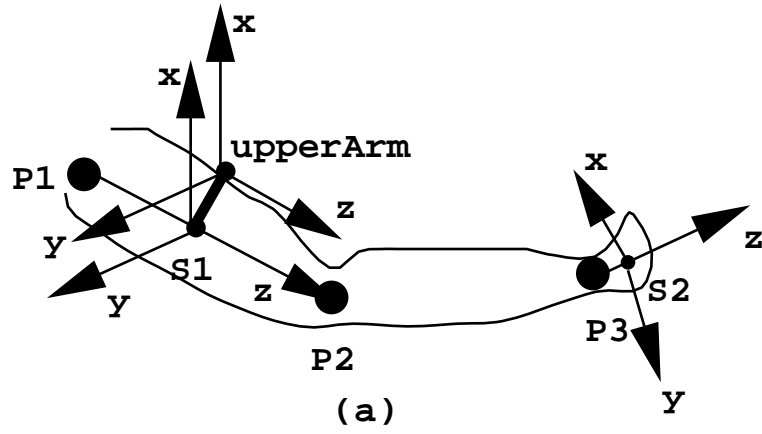
extract as fig12.eps



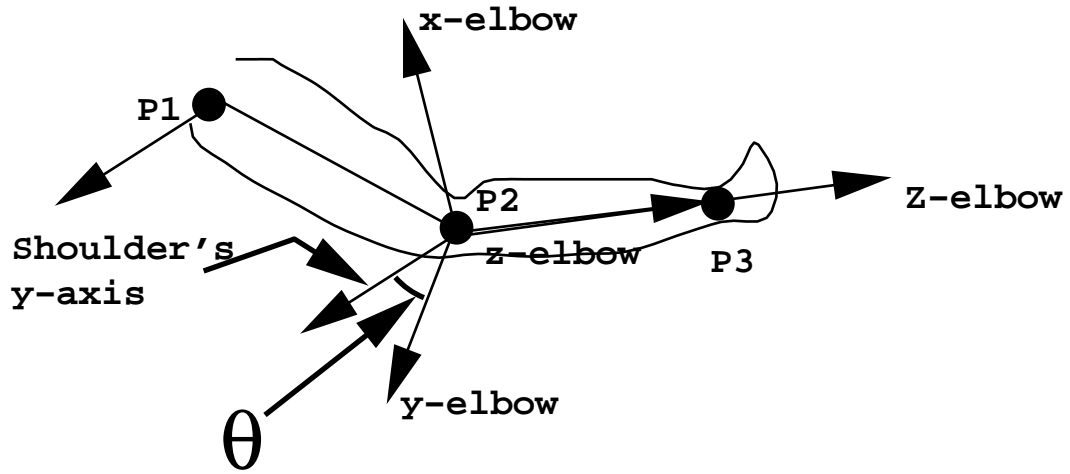
extract as fig13.eps



extract as fig14.eps

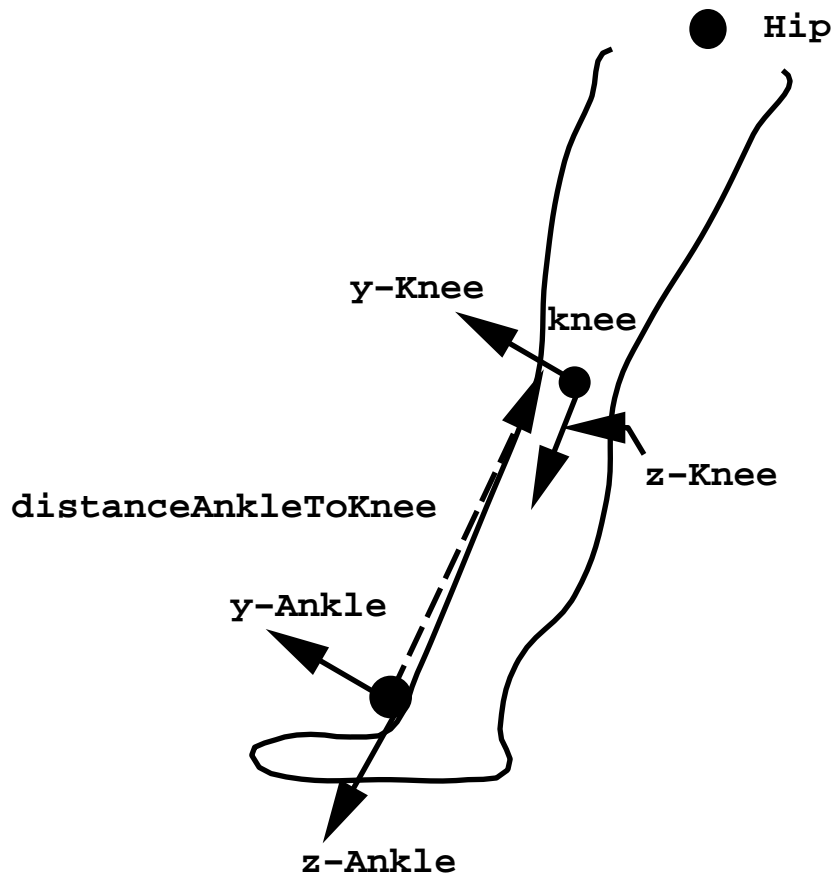


(a)



(b)

extract as fig15.eps



extract as fig16.eps