

Figura 1. Transformando um quadrado.

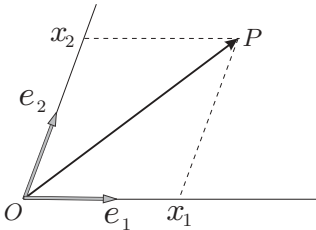


Figura 2. Sistema de coordenadas no plano.

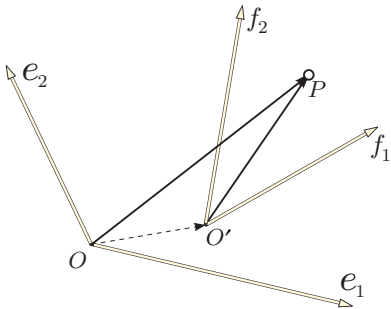
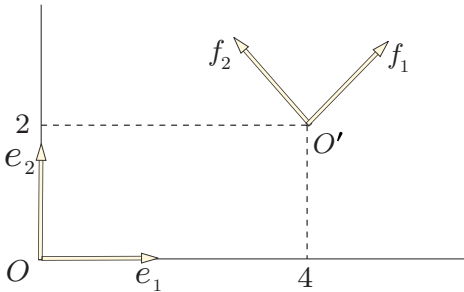
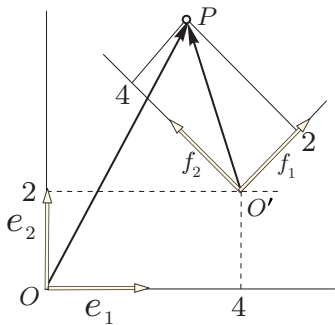


Figura 3. Um ponto em sistemas de coordenadas distintos.

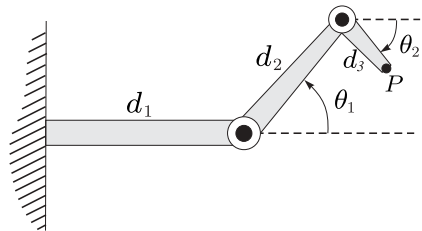


(a)

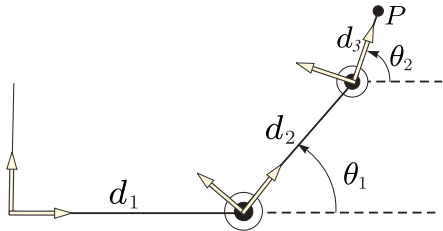


(b)

Figura 4. Referenciais (a); mudança de coordenadas (b).



(a)



(b)

Figura 5. Transformações globais (a); transformações locais (b).

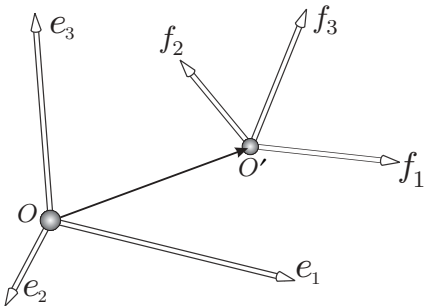


Figura 6. Referenciais do espaço.

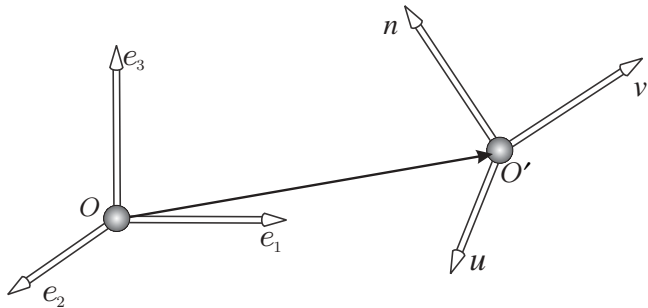
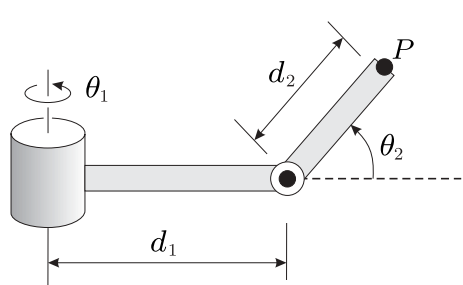
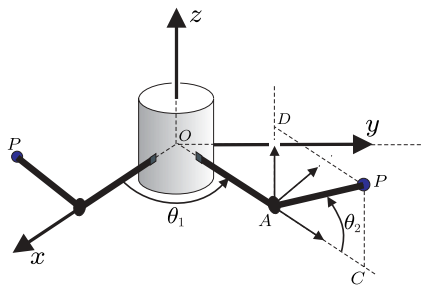


Figura 7. Referenciais ortonormais no espaço.



(a)



(b)

Figura 8. Hierarquia de um braço (a) e sistemas de coordenadas (b).



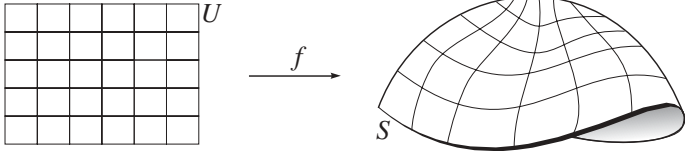


Figura 9. Coordenadas curvilíneas.

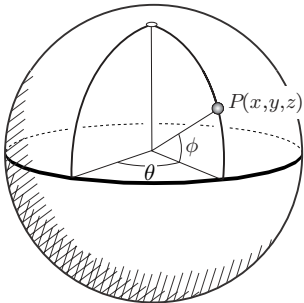


Figura 10. Coordenadas esféricas.

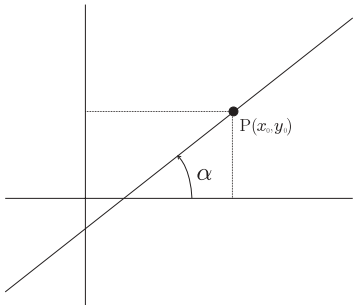


Figura 11. Razão entre segmentos.

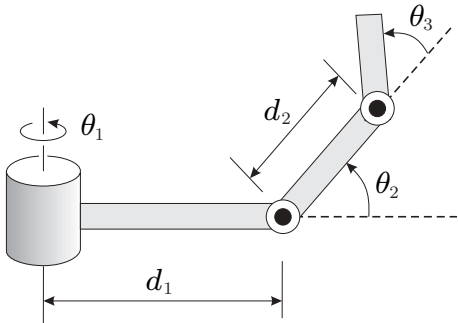


Figura 12. Hierarquia de um braço.