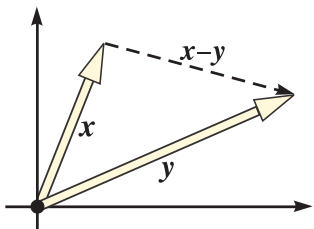
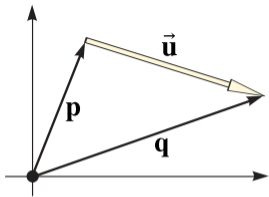


(a)

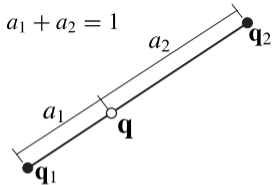


(b)

Figura 1. Produto interno de \mathbf{x} e \mathbf{y} (a); Distância de \mathbf{x} a \mathbf{y} (b).



(a)



(b)

Figura 2. Soma de ponto com vetor (a); combinação afim de pontos (b).

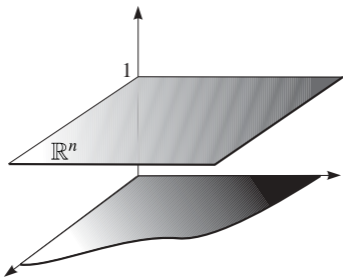


Figura 3. Representação afim do espaço euclidiano.

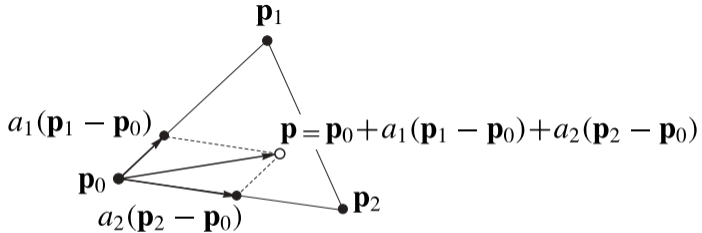
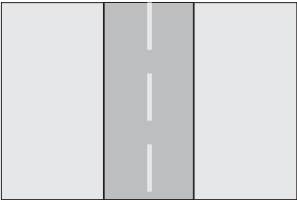
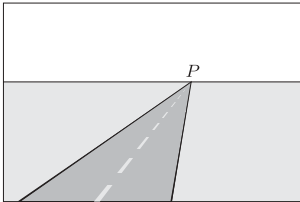


Figura 4. Combinação afim num triângulo.



(a)



(b)

Figura 5. Fotografia de uma estrada.

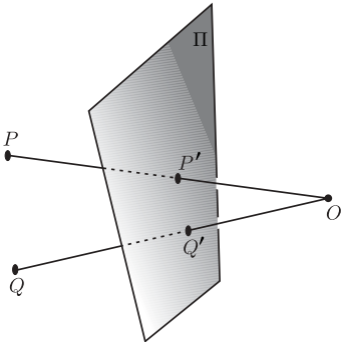


Figura 6. Projeção cônica.

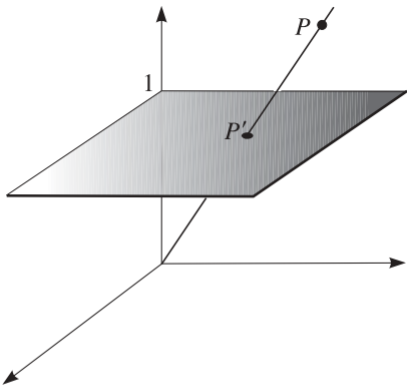


Figura 7. Plano projetivo.

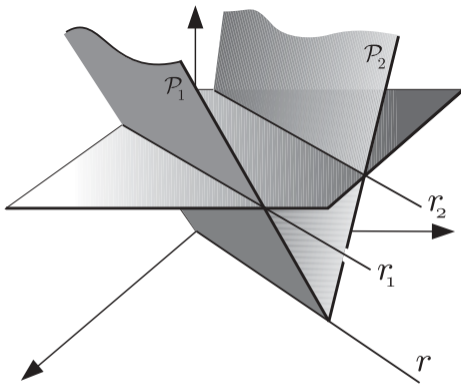


Figura 8. Retas paralelas no plano projetivo.

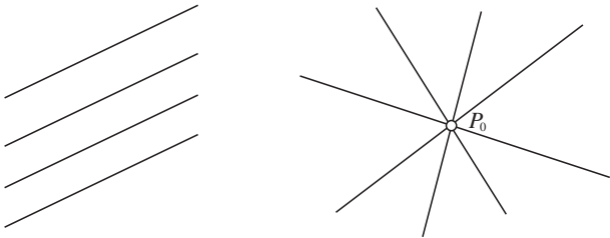


Figura 9. Ponto ideal transformado em ponto real.

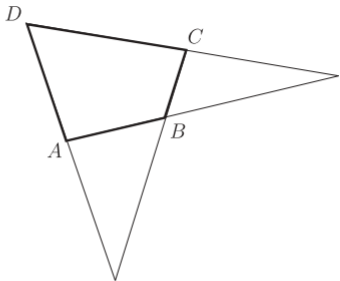
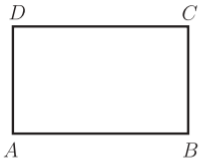


Figura 10. Transformação com dois pontos de fuga.

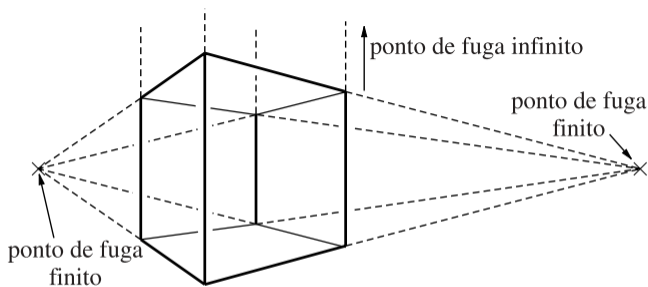
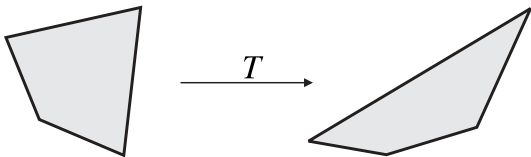
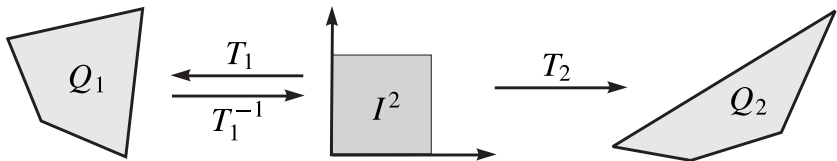


Figura 11. Pontos de fuga na perspectiva de um cubo.



(a)



(b)

Figura 12. Transformação projetiva entre dois quadriláteros.

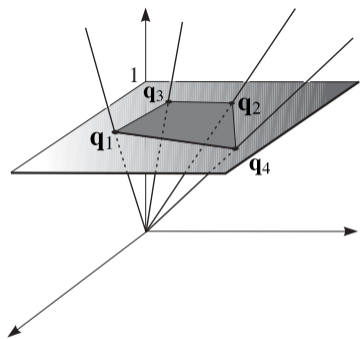
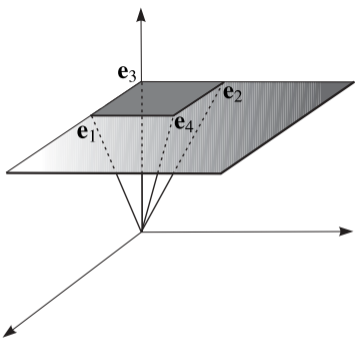


Figura 13. Ponto ideal transformado em ponto real.

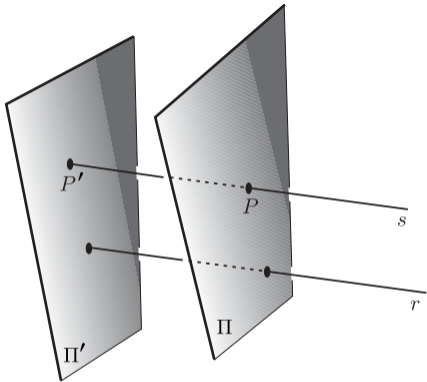


Figura 14. Projeção paralela.

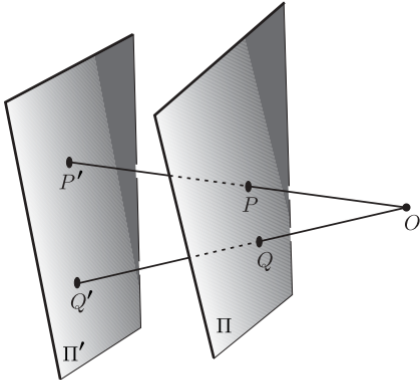


Figura 15. Projeção cônica.

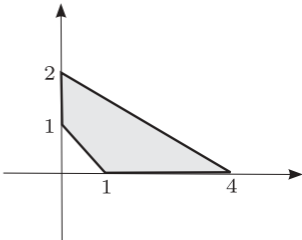
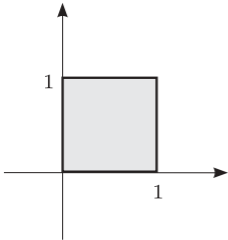


Figura 16.

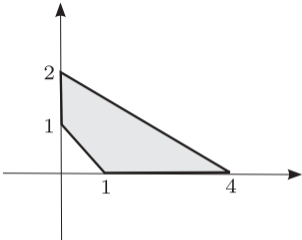
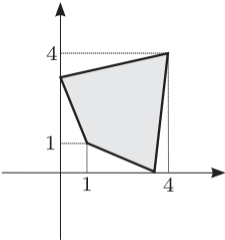


Figura 17.

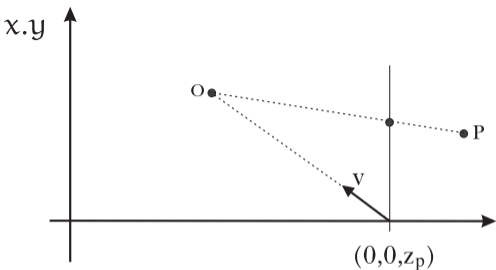


Figura 18. Projeção cônica com centro de projeção arbitrário.

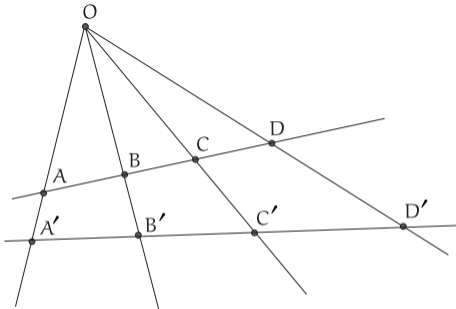


Figura 19. Razão cruzada.