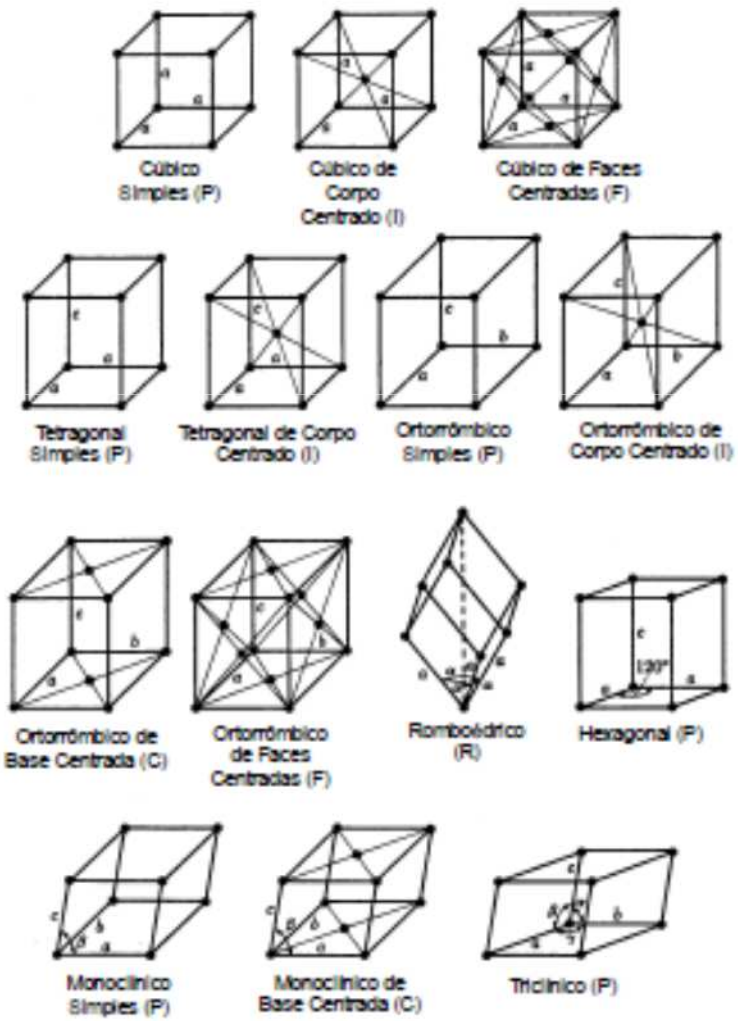
03

METALURGIA FÍSICA
TECNOLOGIA DA CONFORMAÇÃO PLÁSTICA

Tecnologia em Materiais
Prof. Luis Fernando Maffeis Martins

maffeis

Lembrando...



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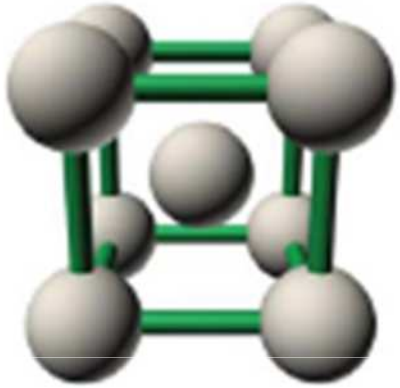
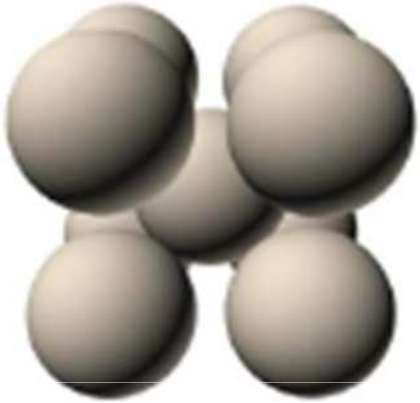
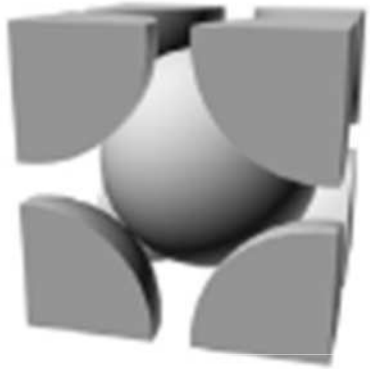
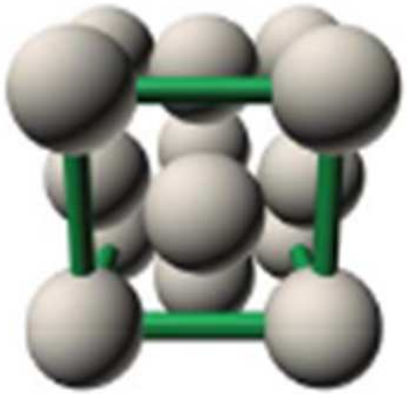
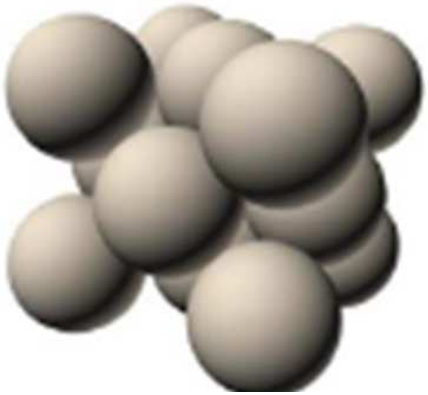


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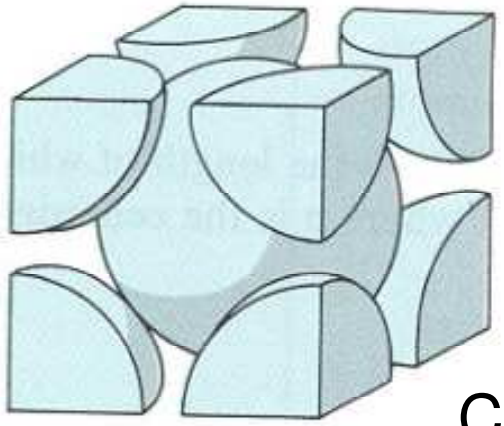
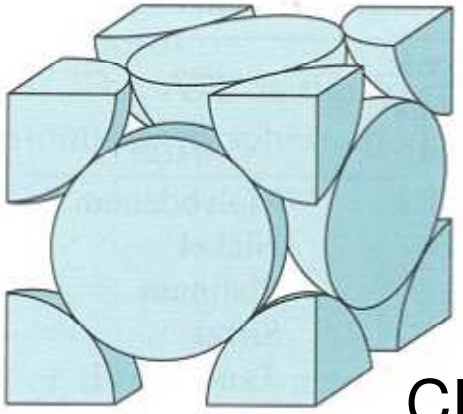


CCC



CFC

Estrutura	Metal
CFC	Ag, Al, Au, Ca, Co-β, Cu, Fe-γ, Ni, Pb, Pd, Pt, Rh, Sr
HC	Be, Cd, Co-α, Hf-α, Mg, Os, Re, Ru, Ti-α, Y, Zn, Zr-α
CCC	Ba, Cr, Cs, Fe-α, Fe-δ, Hf-β, K, Li, Mo, Na, Nb, Rb, Ta, Ti-β, V, W, Zr-β

Exercício

1) Calcular a massa específica (g/cm^3) do Alumínio.

Dados:
estrutura = CFC
raio atômico = 0,143 nm
peso atômico = 26,98 u.m.a.

Exercício

2) Calcular a massa específica (g/cm^3) do Ferro.

Dados:
estrutura = CCC
raio atômico = 0,124 nm
peso atômico = 55,85 u.m.a.

Exercício

3) Calcular a massa específica (g/cm^3) do Ouro.

Dados:
estrutura = CFC
raio atômico = 0,144 nm
peso atômico = 196,97 u.m.a.

Exercício

4) Calcular a massa específica (g/cm^3) do Nióbio.

Dados:
estrutura = CCC
raio atômico = 0,143 nm
peso atômico = 92,91 u.m.a.