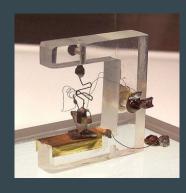


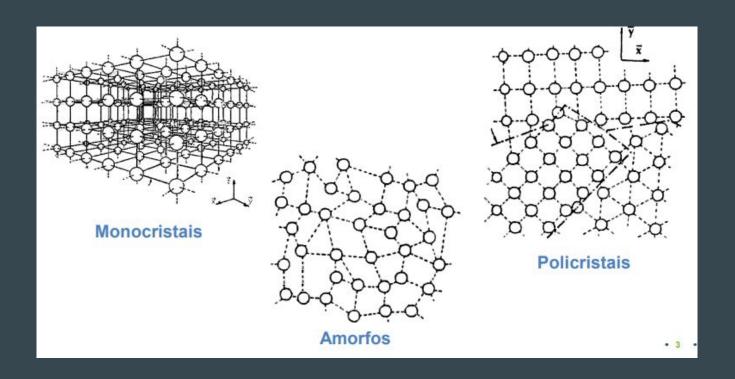
Quartzo ao transistor



Mariana Arias

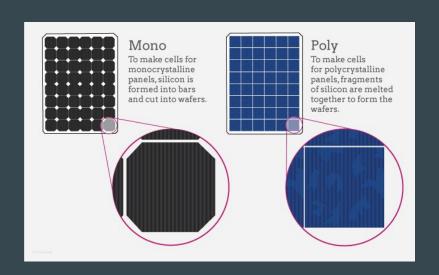


Estrutura cristalina

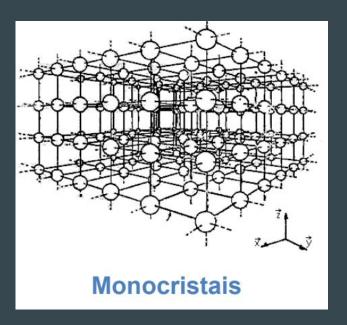


Estrutura cristalina

Células solares



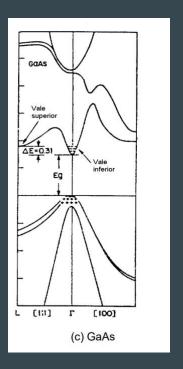
Semicondutores



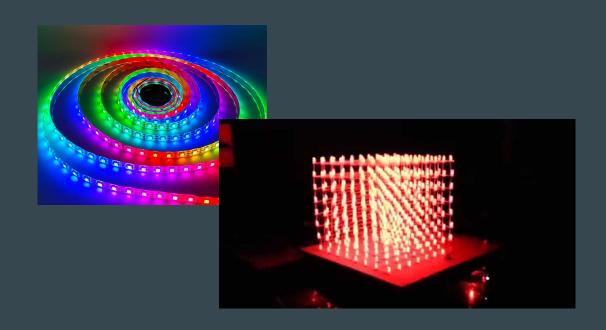
Bandas de energia

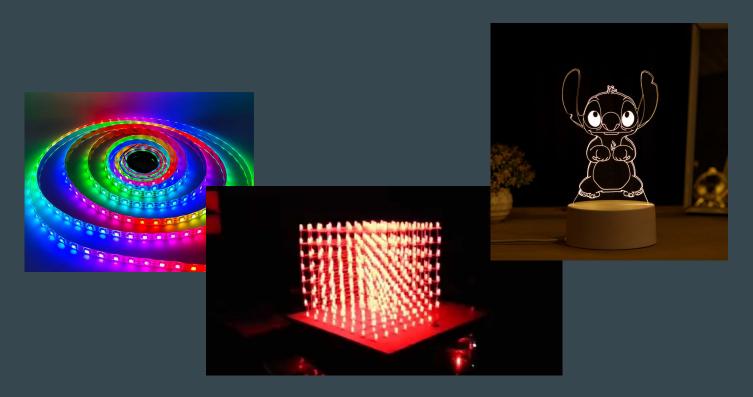


Transferência direta











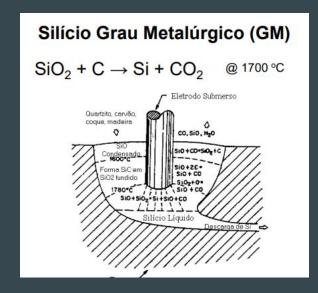
E o silício?

- Como sair do quartzo?
- O que define a orientação cristalina?
- Como eu produzo componentes com ele?

Si Silicon 28.085



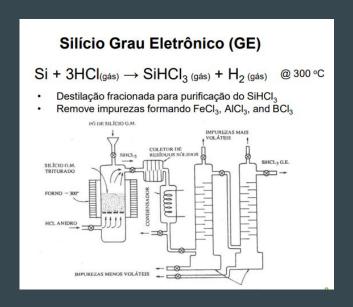
Método de produção do silicio







Método de produção do silicio





Método de produção do silicio





Método de cz



Estrutura cristalina do Silício

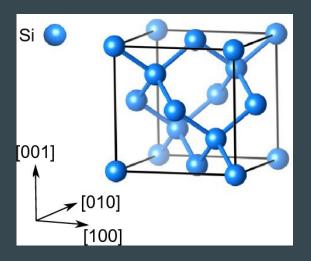


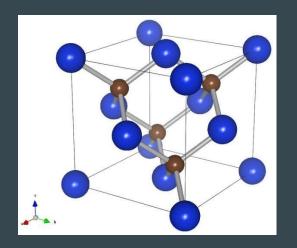


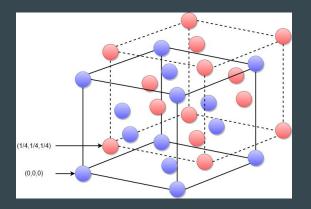


Estrutura cristalina do Silício

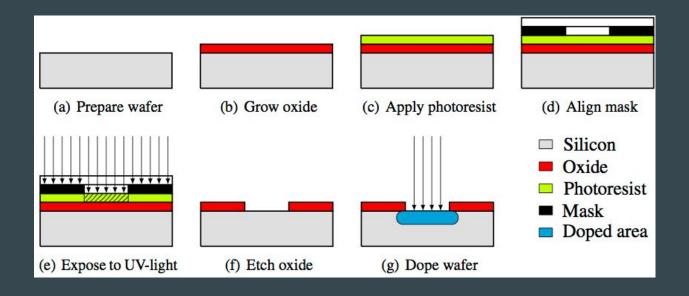
• Rede cúbica de face centrada







E o transistor?



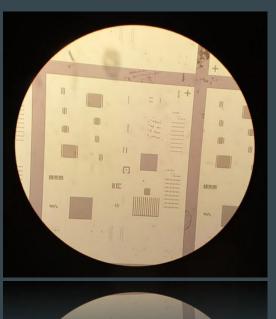
Fotolitografia





Fotolitografia



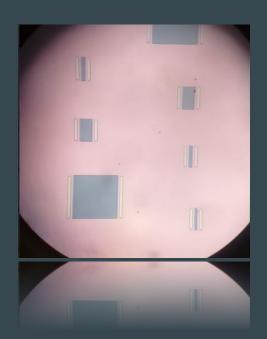


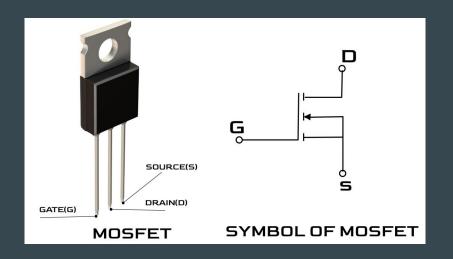


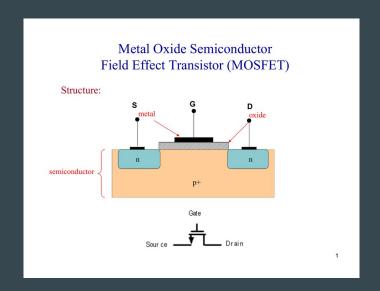


E o transistor?

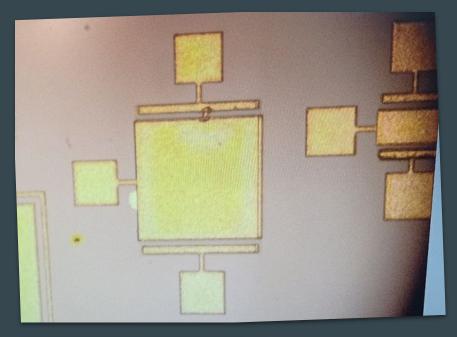








Transistor fabricado





Embarque nessa!









