Einführung Fe-C System

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FH-Wels

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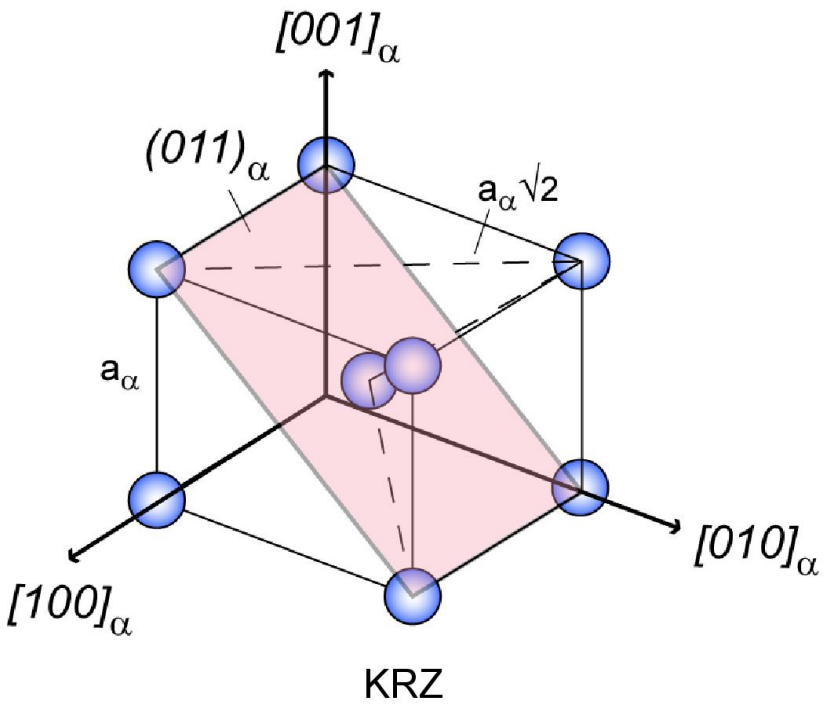
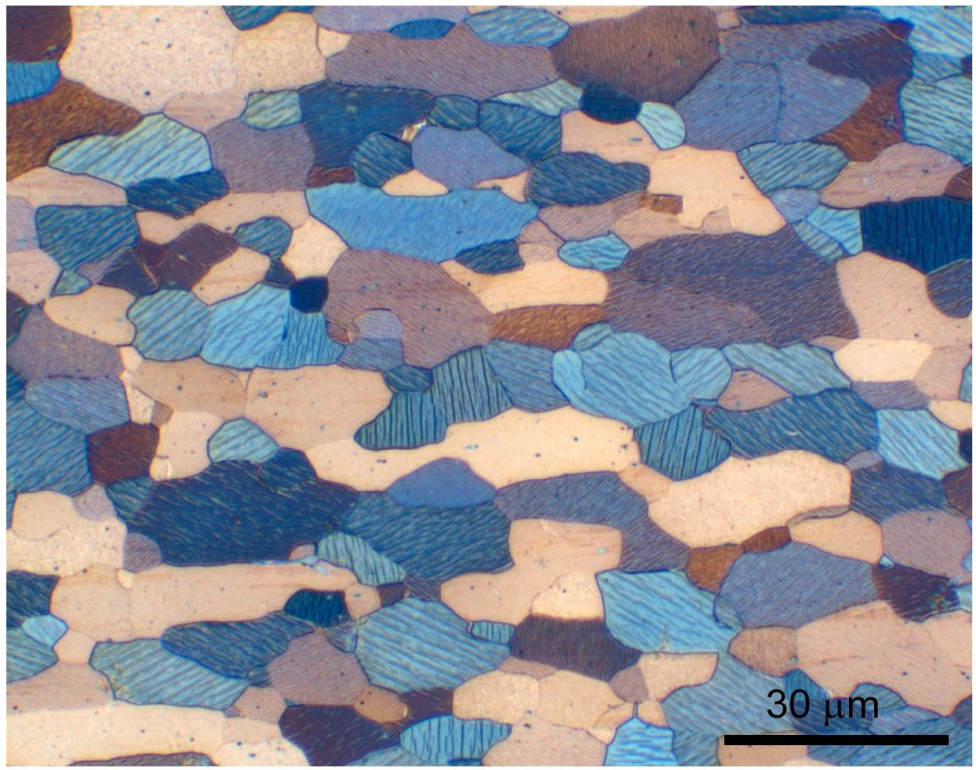
1. Gefügearten

- α-Ferrit, *KRZ*, Symbol: α
  Sym. Im-3m (229)

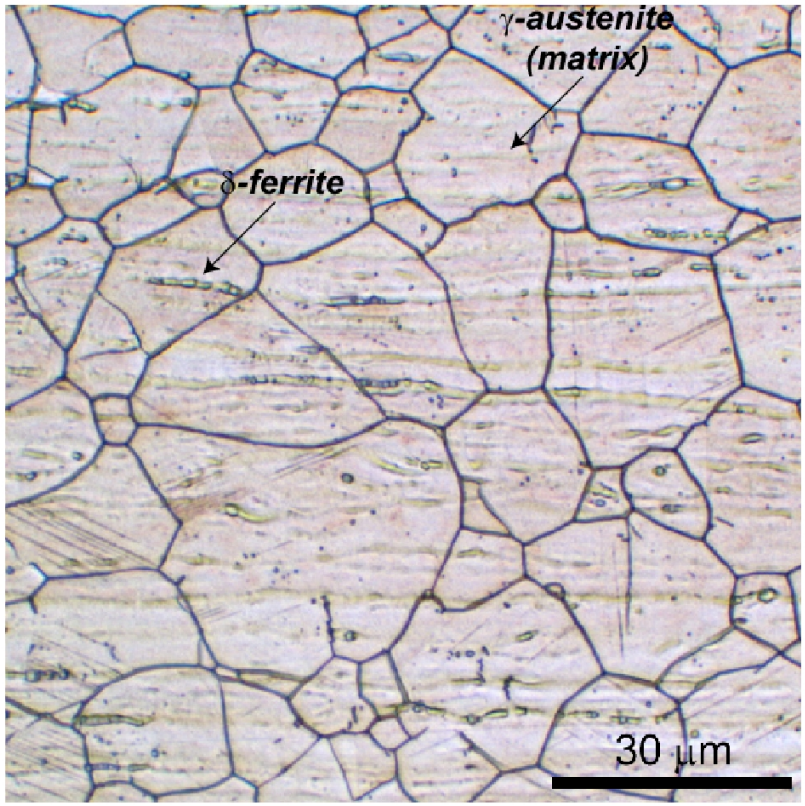


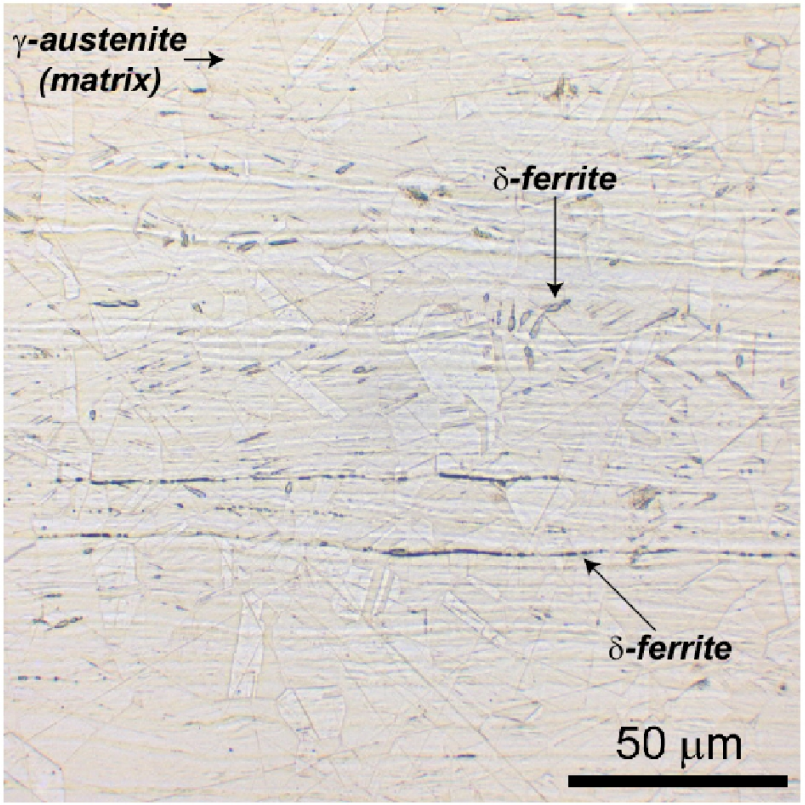
KRZ



1. Gefügearten

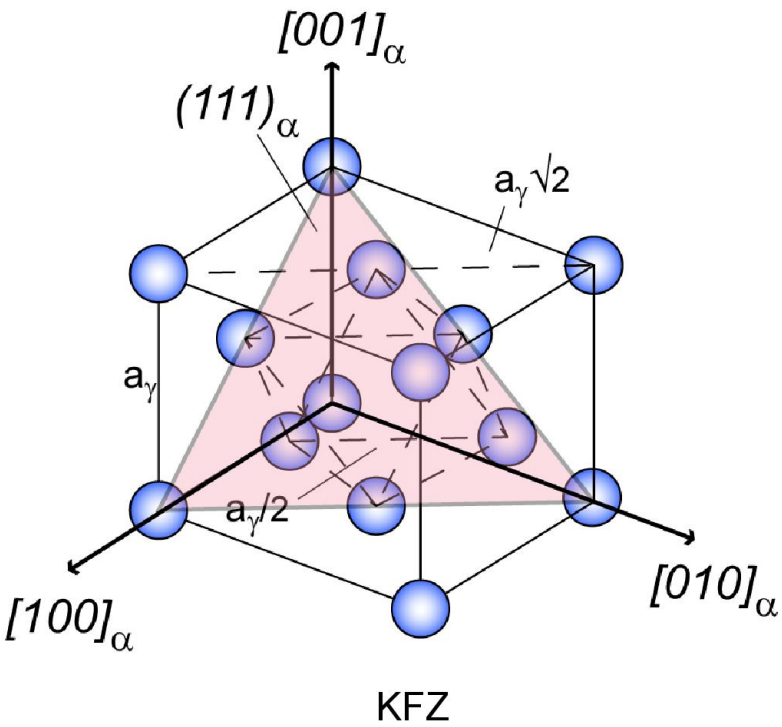
- δ-Ferrit, *KRZ*, Symbol: δ
  Sym. Im-3m (229)



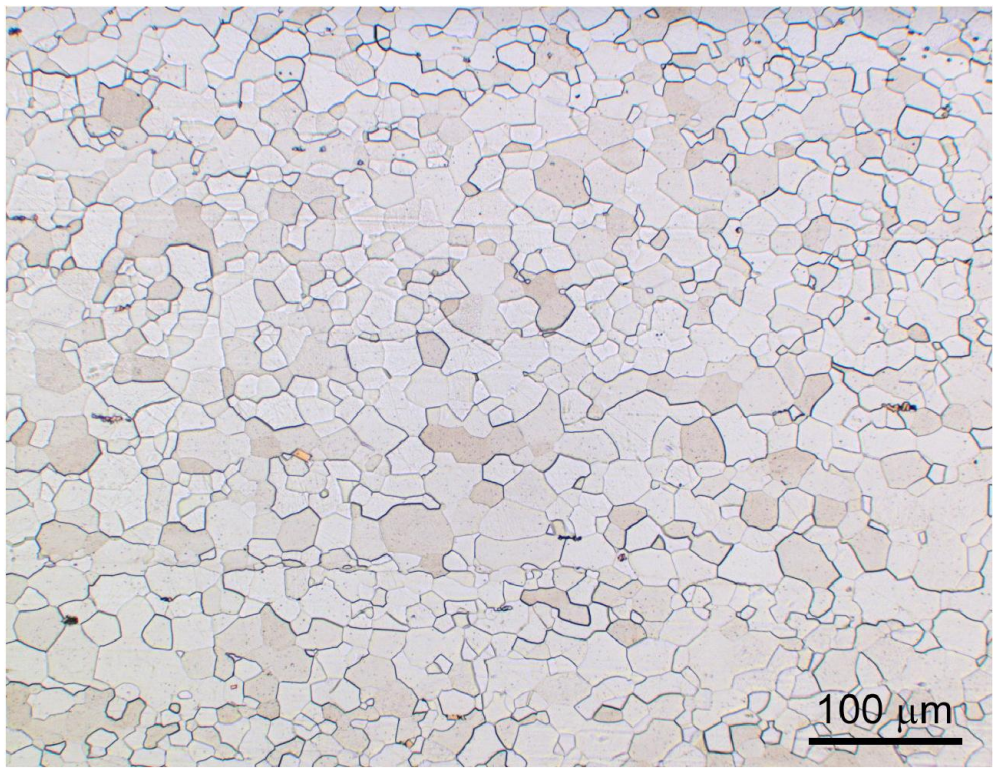


1. Gefügearten

- Austenit, *KFZ*, Symbol: γ
  Sym. Fm-3m (225)

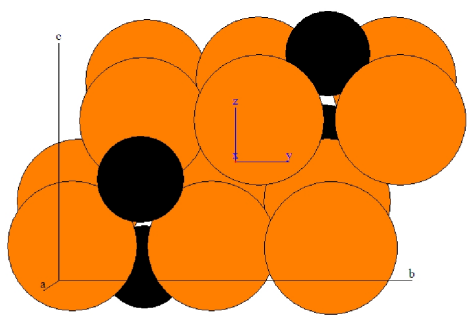


KFZ



1. Gefügearten

- Zementit
  - Eisencarbid, Fe_3C (θ), kristalline, metastabile Verbindung (Struktur: *oP16*, $D0_{11}$, *Pnma*, 62)
  - Parameter $a = 0,4514\,nm$, $b = 0,5080\,nm$, $c = 0,6734\,nm$
  - Zementit Struktur (links) und Gefüge von kugeligen Zementit in ferritischer Matrix



Fe_3C - compound, along <100>