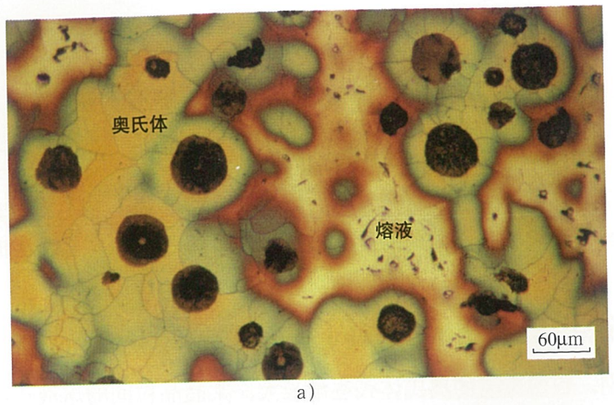
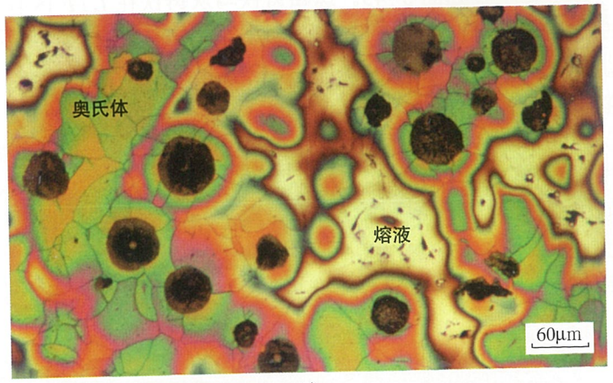
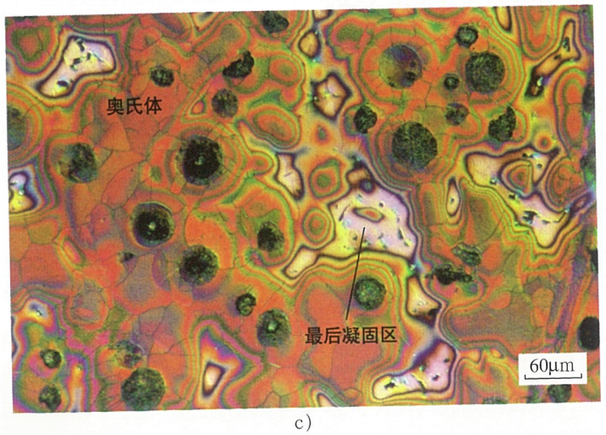


a)



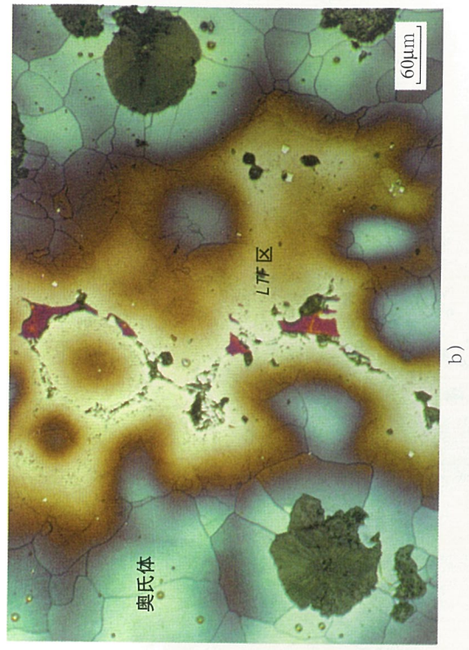
b)



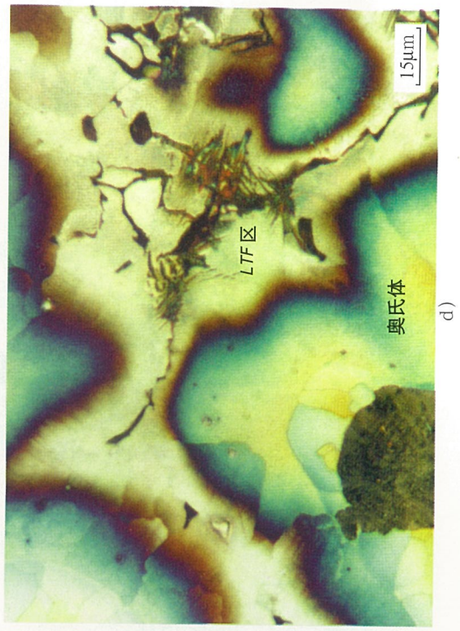
c)

图 3-43　球墨铸铁最后凝固区的形成过程(同一位置动态观察)

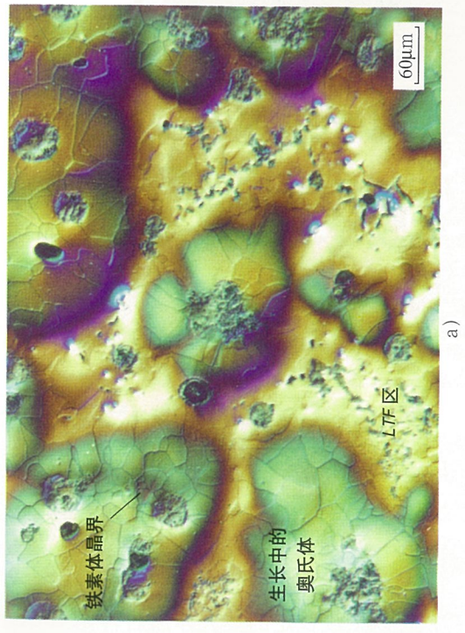
a）凝固初期　b）凝固中期　c）凝固末期



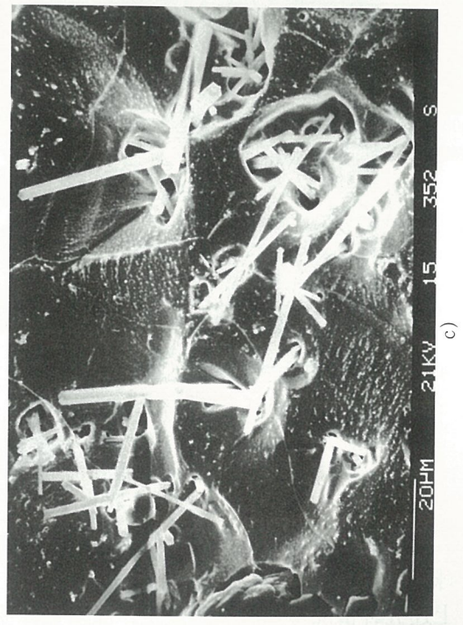
b)



d)



a)



c)

图 3-44　*LTF* 区中形成碳化物

a）蓝青色多面体 TiC　b）红色块状 Mo_2C　c）针状 Mg_2Si　d）网状 $(Cr、Mn)_3C$