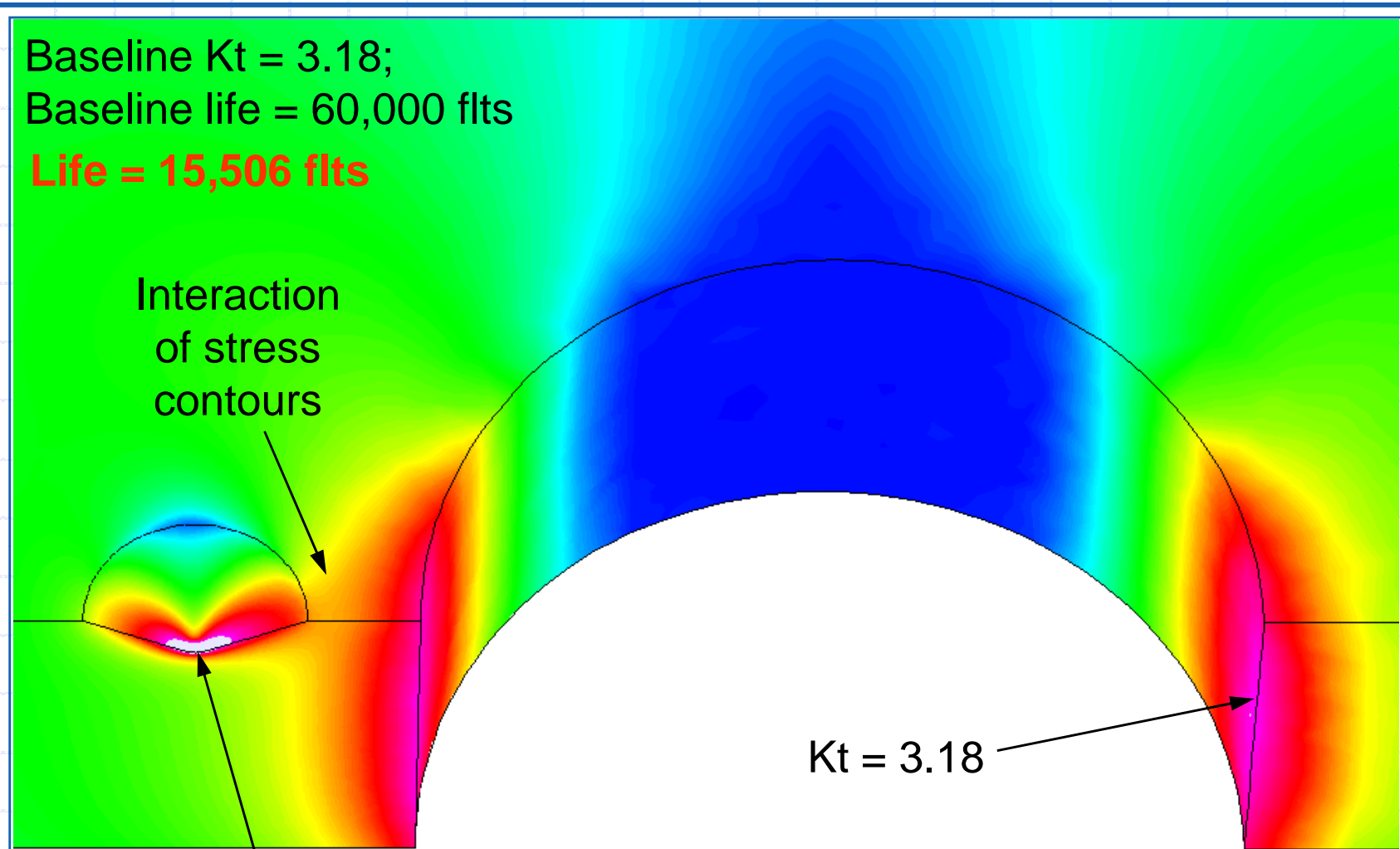


# FALSE START MARKS - COMPARISON

Baseline  $K_t = 3.18$ ;  
 Baseline life = 60,000 flts  
**Life = 15,506 flts**



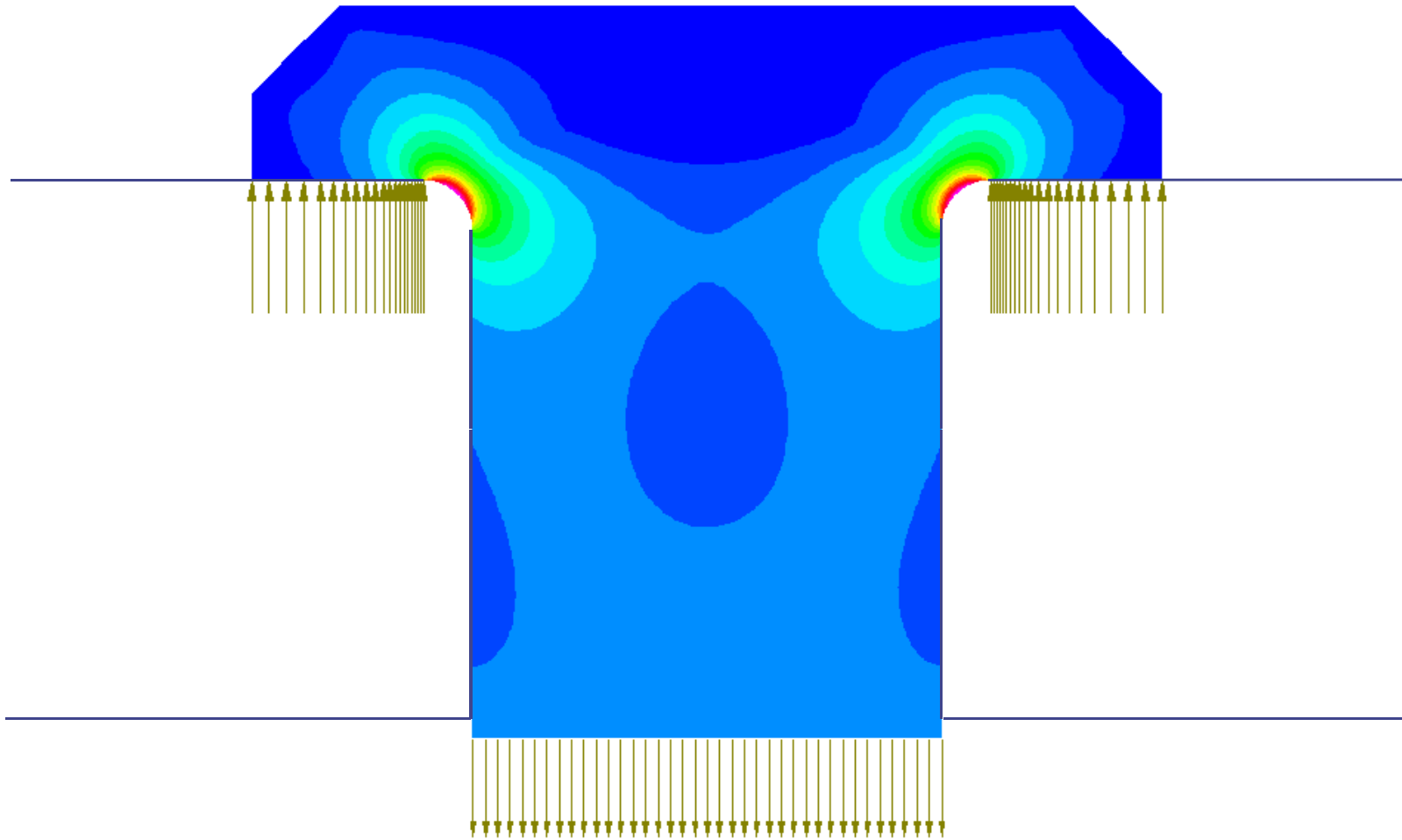
$K_t = 4.46$  – light area shows where stresses higher than those at the edge of the hole

**SNAP MARKS AS BAD OR WORSE!!!!**



# CORRECTLY SEATED HL12 BOLT

Baseline life = 60,000 flts  
Stress = 31,747 psi



# COCKED HL12 BOLT – ANY AMOUNT OF ANGULARITY

Baseline life = 60,000 flts

**Life = 2,297 flts**

