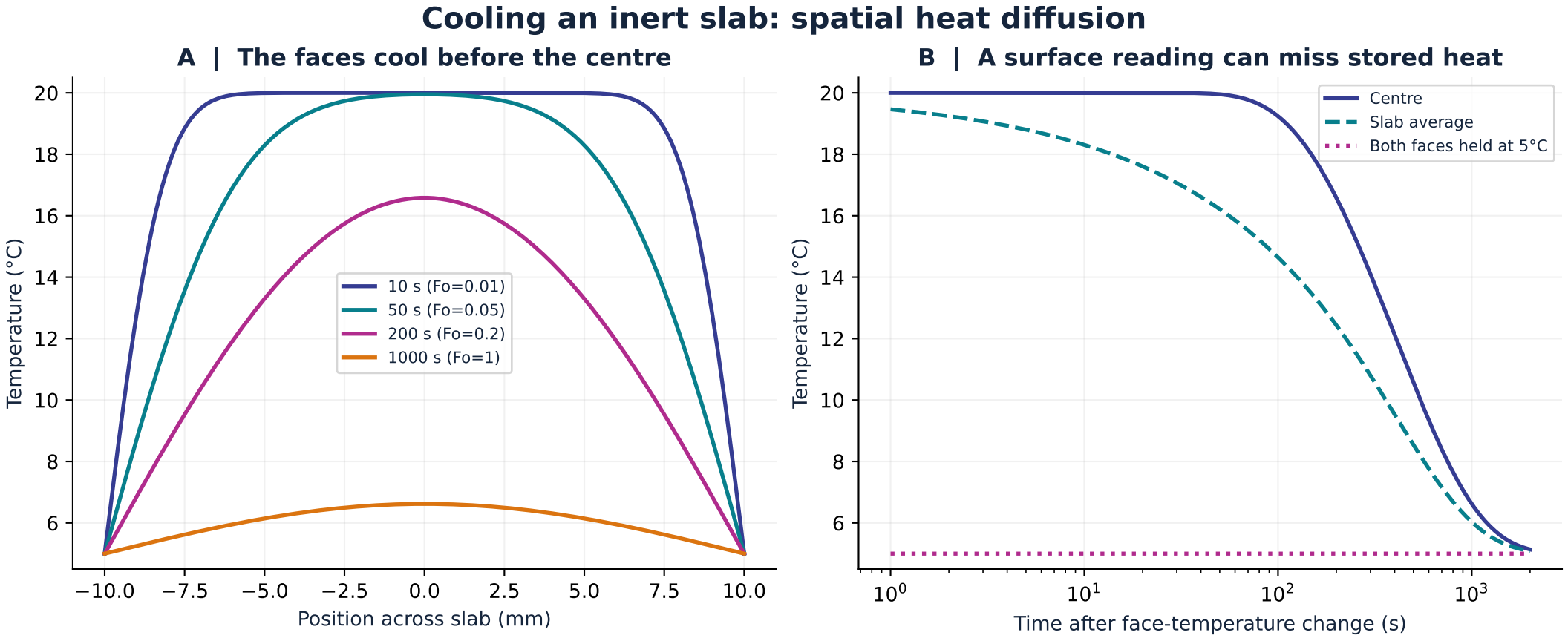

Cooling an inert slab: spatial heat diffusion
A | The faces cool before the centre
B | A surface reading can miss stored heat
Temperature (°C)
Position across slab (mm)
10 s (Fo=0.01)
50 s (Fo=0.05)
200 s (Fo=0.2)
1000 s (Fo=1)
Centre
Slab average
Both faces held at 5°C
Time after face-temperature change (s)