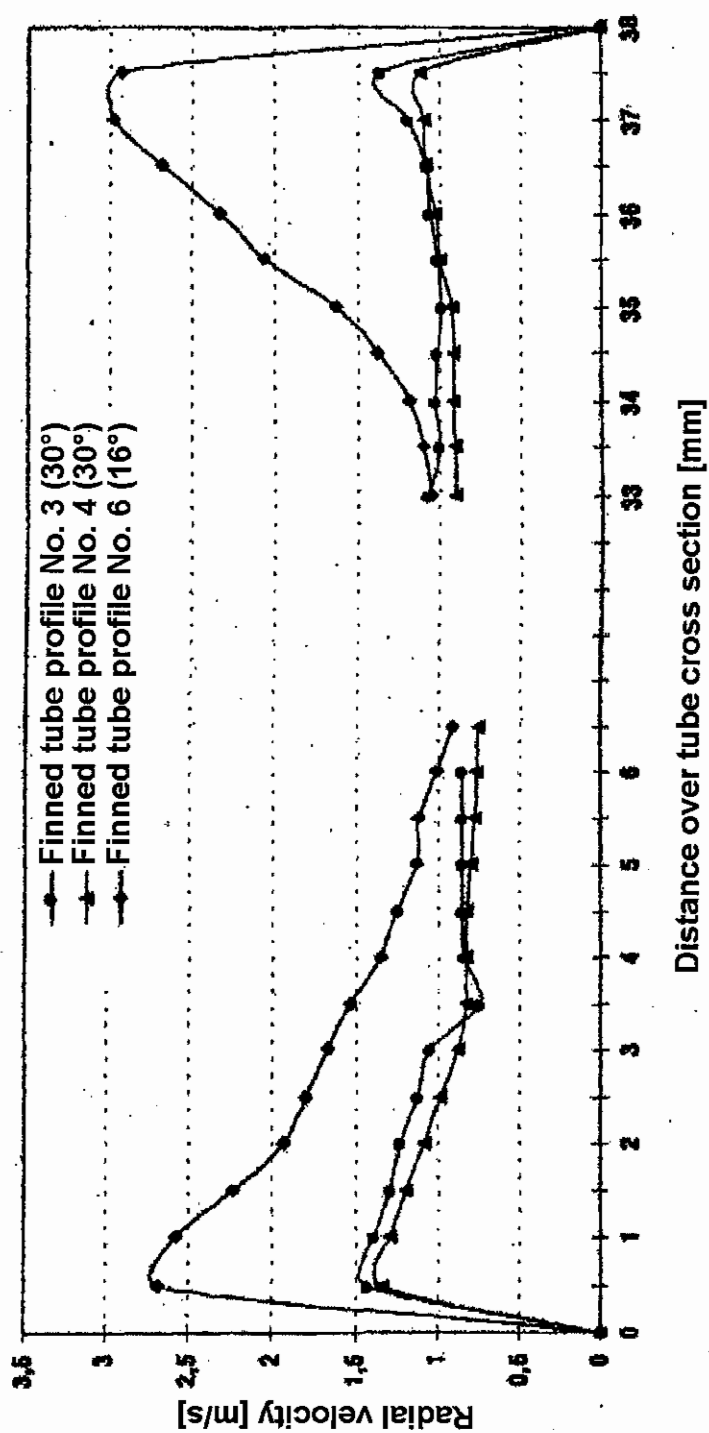




Radial velocities in profiles
with inclination with respect to the tube axis

Fig. 1

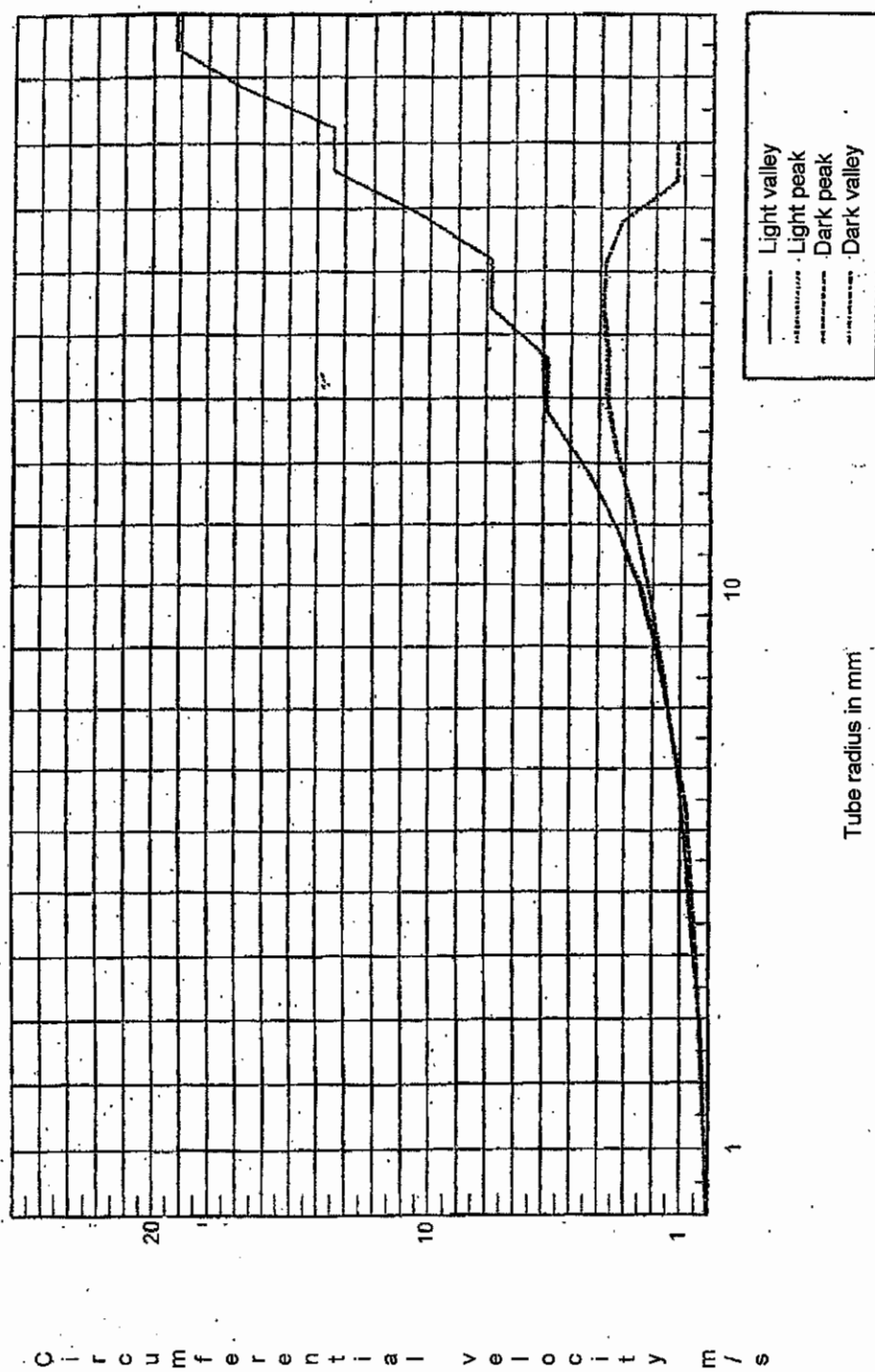
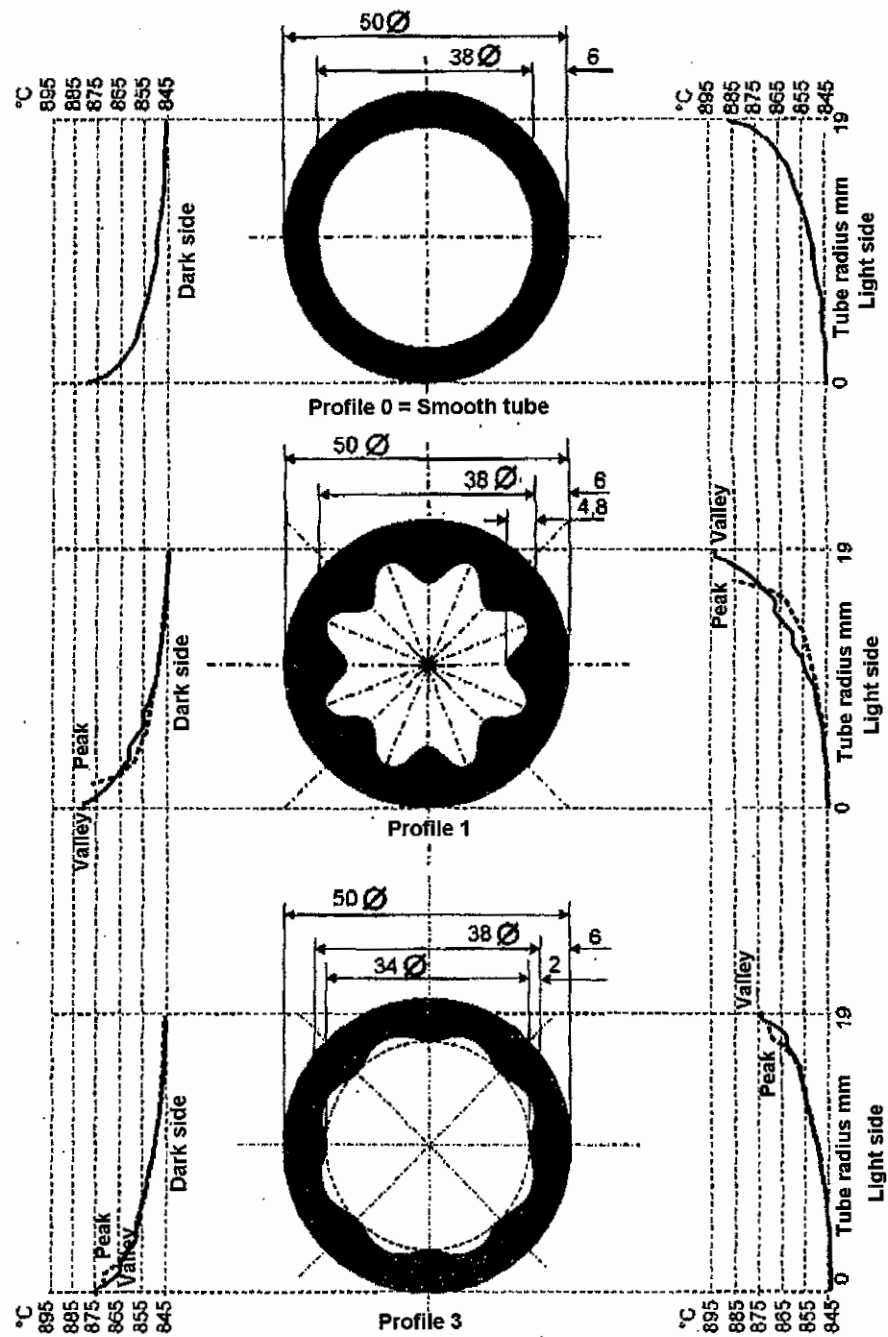


Fig. 2



Profile shapes
with temperature profile in the fluid (naphtha)
at 9950 mm plotted over a radius in the tube,
peak = profile peak, valley = profile valley

Fig. 3

Comparison of the tube metal temperatures

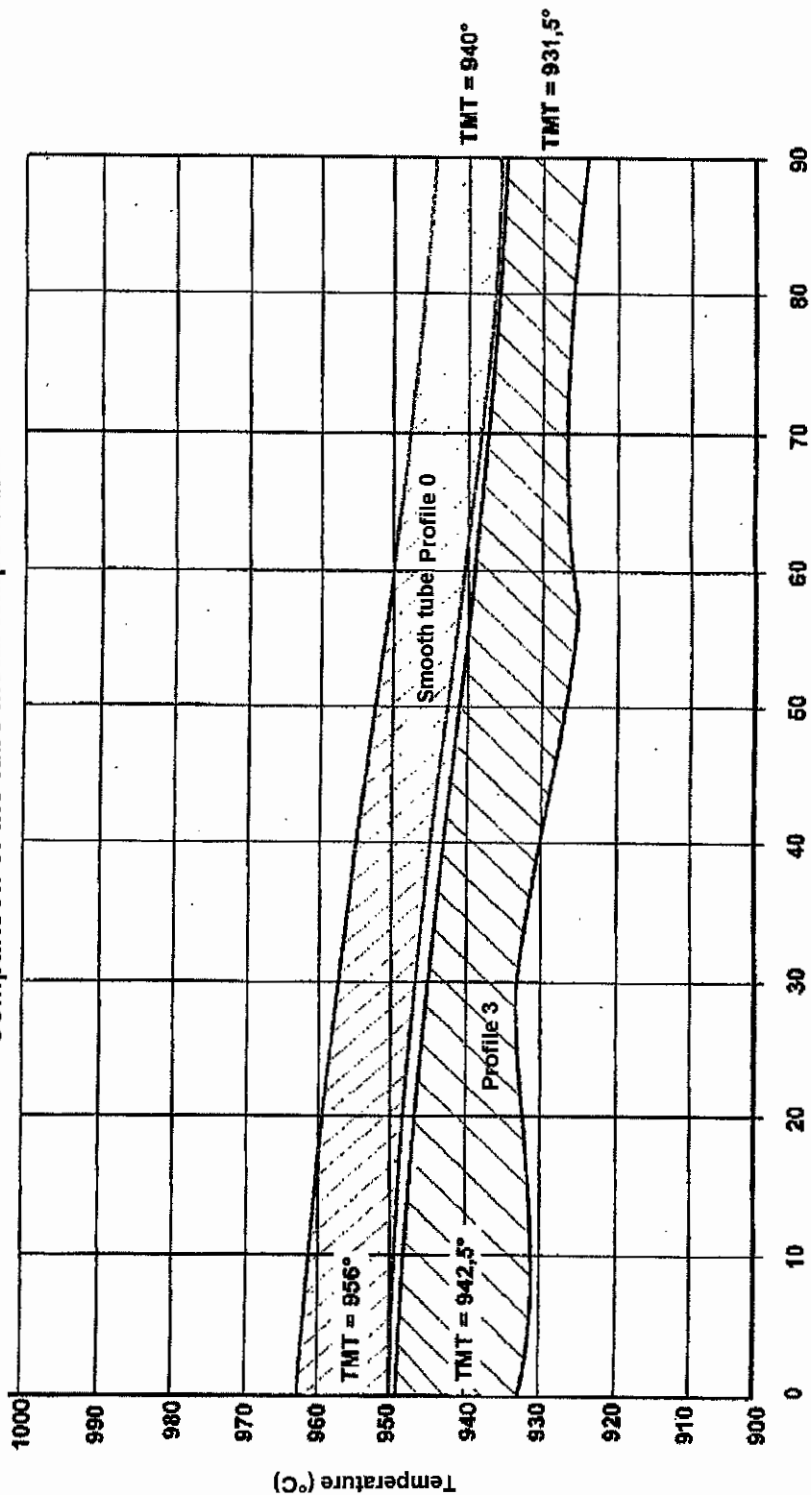
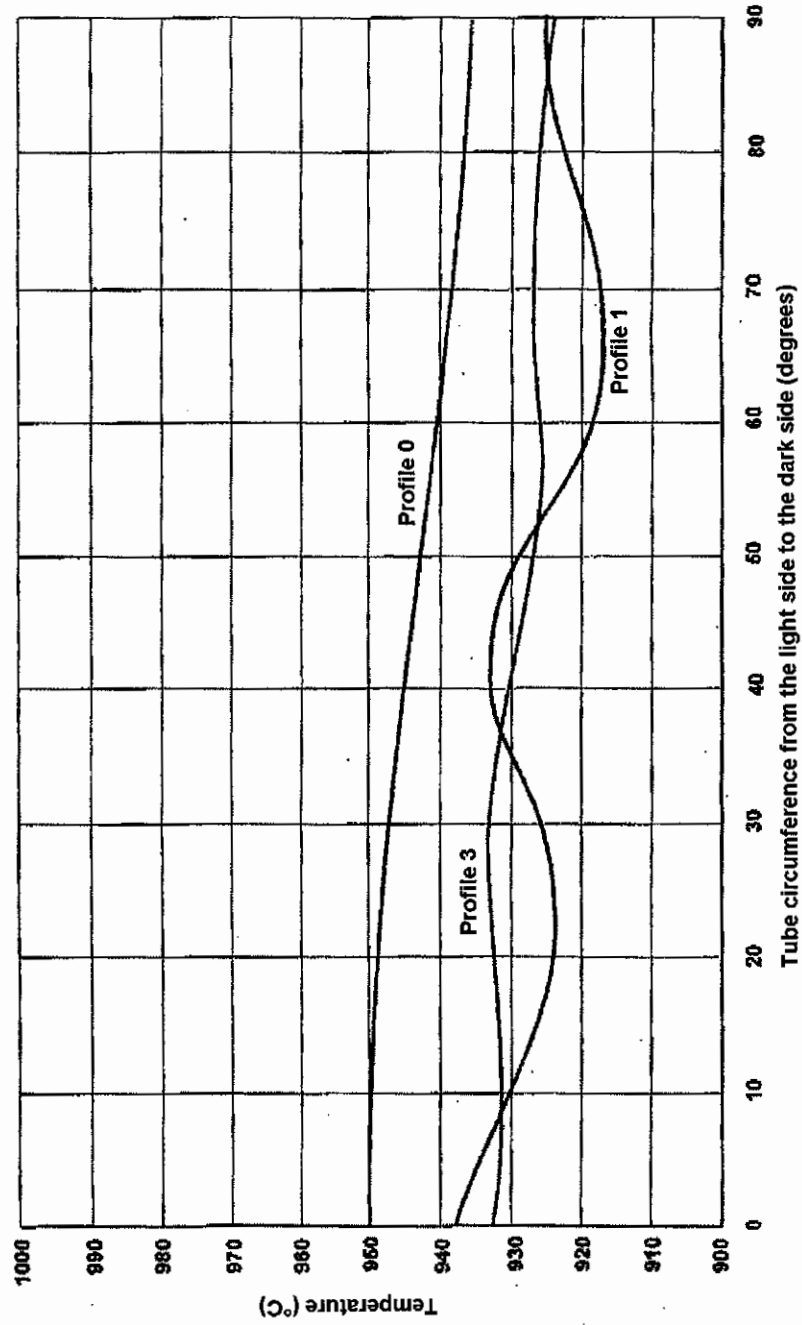


Fig. 4

Tube circumference from the light side to the dark side (degrees)
 Profile 3 generates a mean tube metal temperature (TMT) which is 11°C lower

**Fig. 5**

Temperature distribution on the tube inner wall at 9950 mm

Superimposition of diagrams P0.5.8, P1.5.8 and P3.5.8 from
the IfS Hanover

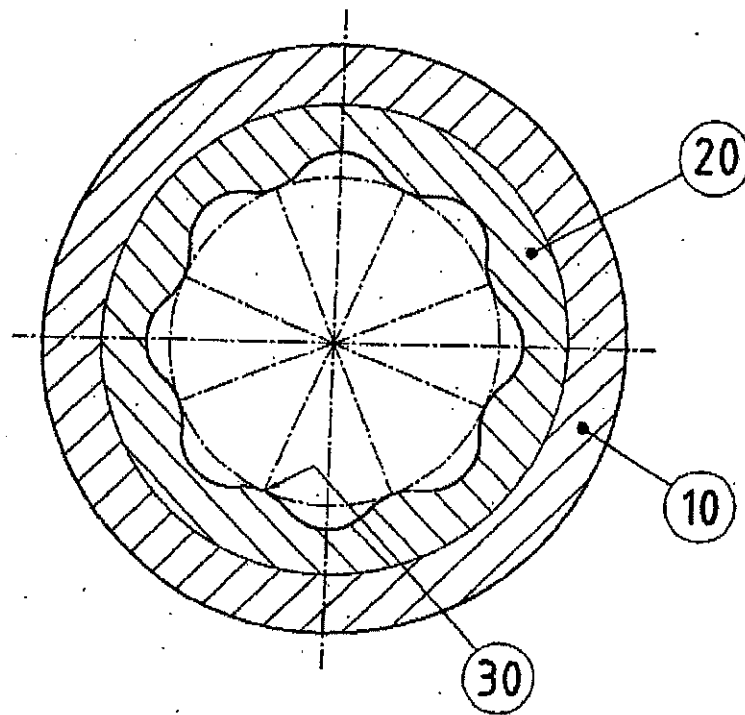


Figure 6