

## Misprints in Toponogov's "Differential geometry of curves and surfaces"

p= 21, l= -7: " $x'^2$ "  $\rightarrow$  " $f'(x)^2$ ".

p= 26, l= -3 (1.20): strangely written fraction

p= 27, l= -14 (Problem 1.7.8): "curve"  $\rightarrow$  "simple curve".

p= 31, l= 4-6 (Problem 1.7.12): totally wrong statement — likely you wanted to say that  $O$  is the center.  $B$  on the curve and  $\gamma$  is convex and yet something else.

p= 31, l= 9 (Figure 1.7.12): it is not relevant to the Problem 1.7.12.

p= 37, l= 5 (Figure 1.7.18): oval was not defined (by the way the index contains less than half terms).

p= 38, l= 4 (Problem 1.7.22) "Problem 1.7.19"  $\rightarrow$  "Problem 1.7.21".

p= 38, l= 9 (Hint.) Wrong statement.

p= 44, l= 10 (Problem 1.7.26): "straight"  $\rightarrow$  "parallel straight".

p= 47, l= 13: It has to be explained why  $\beta' = \lambda\nu$ .

p= 53, l= -9: " $\pi 2/R$ "  $\rightarrow$  " $\pi R/2$ " (you should also say that it is in the spherical metric).

p= 62, (Exercise 1.12.14): 1 wrong statement; 2 it is a problem in curves about surfaces — it does not belong here.

l= -5—(-1) (Exercise 1.12.25): + torsion does not vanish.

= -15—(-14) (Definition 2.6.1): wrong definition (it does not include Klein's bottle).

p= 115, (Theorem 2.7.1): "nonzero"  $\rightarrow$  "zero" + last line before Thm 2.7.2 " $\Phi$ "  $\rightarrow$  " $C$ ".

p= 125, (Problem 2.7.3): "circle"  $\rightarrow$  "disc".

p= 133, (Problem 2.8.2): "regular"  $\rightarrow$  "complete regular" + "cylinder"  $\rightarrow$  "round cylinder" + the last line in the proof has to be explained.

p= 135, (Theorem 2.8.3): either remove "closed" or "part".

p= 149, (Exercise 2.10.29): wrong statement (it is a plane curve, but not a straight line)

p= 149, (Exercise 2.10.30): wrong again.

p= 166, l= 2: "grater"  $\rightarrow$  "less".

p= 167, (Theorem 3.5.4): " $F$ "  $\rightarrow$  " $F$  in a smooth regular surface".

p= 170, (Theorem 3.5.9): "Theorem 3.5.9"  $\rightarrow$  "Problem 3.5.?".