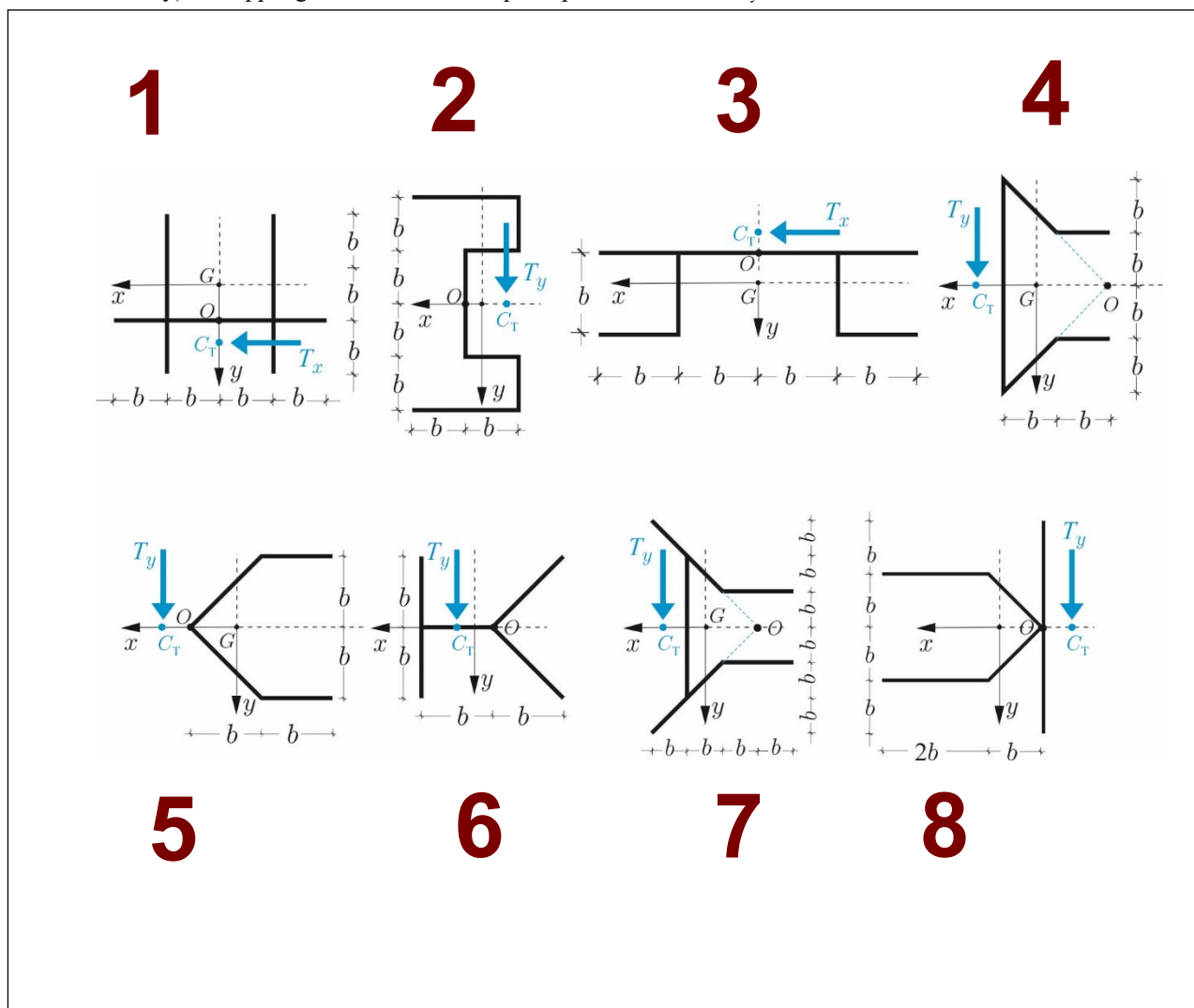


(E18)

Flessione e Taglio/2

Esercizi 1-8. Si consideri il problema della **flessione e taglio** in travi le cui sezioni normali tipo siano rappresentate nelle figure 1-10: determinare e diagrammare l'andamento delle tensioni tangenziali dovute al taglio (Teoria approssimata di Jourawsky). Si suppongano noti i momenti principali d'inerzia I_x e I_y .



The figure displays eight different cross-sections (1-8) for shear stress analysis. Each diagram shows the cross-section with its centroid O , principal axes x and y , shear center C_T , and a shear force T_x or T_y . Dimensions are given in terms of b .

- 1:** I-shaped section with flange width b and web height b . Shear force T_x acts horizontally.
- 2:** C-shaped section with flange width b and web height b . Shear force T_y acts vertically.
- 3:** I-shaped section with flange width b and web height b . Shear force T_x acts horizontally.
- 4:** T-shaped section with flange width b and web height b . Shear force T_y acts vertically.
- 5:** Z-shaped section with flange width b and web height b . Shear force T_y acts vertically.
- 6:** Z-shaped section with flange width b and web height b . Shear force T_y acts vertically.
- 7:** Z-shaped section with flange width b and web height b . Shear force T_y acts vertically.
- 8:** Z-shaped section with flange width $2b$ and web height b . Shear force T_y acts vertically.

COGNOME.....
NOME.....
MAT.....

SITO

www.pcasini.it/disg/sdc

Soluzioni: Cap. 21, § 21.11, 21.12 (4° edizione)