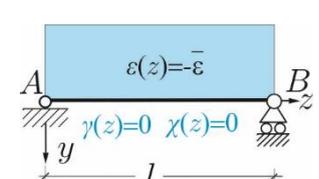


(E07)

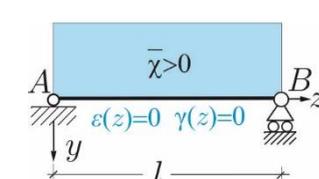
Trave elastica: problema cinematico

Problemi 1-6, 8-9. Assegnati i campi di deformazione e i cedimenti vincolari in figura, determinare il campo di spostamenti con essi congruenti e disegnare la configurazione deformata della trave. **Problema 7.** Si consideri la trave 7: nel sistema di riferimento locale in figura sono assegnate le seguenti funzioni di spostamento e rotazione cinematicamente congruenti: $w(z) = \bar{\varepsilon}z$, $v(z) = -\sqrt{3}\bar{\varepsilon}z$, $\varphi(z) = \sqrt{3}\bar{\varepsilon}$. Determinare l'angolo α fra l'asse del carrello (di versore \mathbf{n}_B) e l'asse della trave.

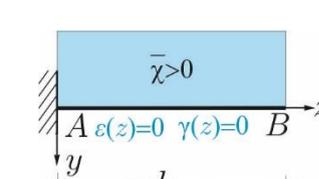
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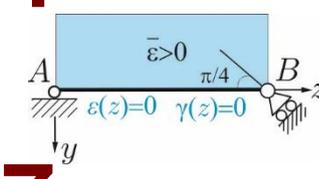
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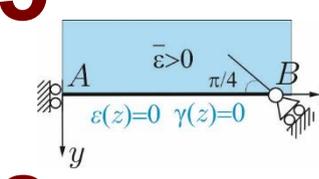
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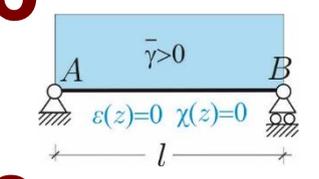
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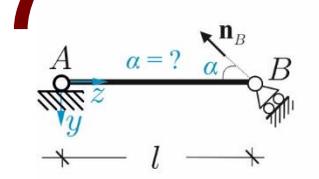
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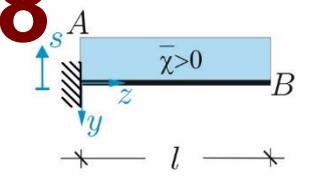
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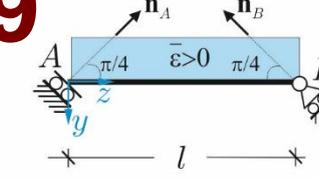
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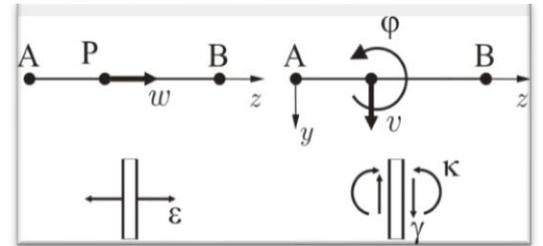


8



9





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

PAGINA WEB DEL CORSO:
www.pcasini.it/disg/sdc

Soluzioni: cap. 5, § 5.9-5.11 (4° edizione)