

PAPERS

- 79 **Numerical investigation of diffuser solidity effect on turbulent airflow and performance of the turbocharger compressor**
Chehhat A., Si-Ameur M., Boumeddane B., Abo-Serie E., Boulahrouz S.
- 97 **Influence of mesh density on calculated extreme stresses in aortic aneurysms**
Man V., Polzer S., Burša J.
- 111 **Enhancement of centrifugal compressor stable operation using an internal recirculation channel**
Růžička M.
- 123 **Single variable refined beam theories for the bending, buckling and free vibration of homogenous beams**
Sayyad A. S., Ghugal Y. M.
- 139 **Numerical analysis of a pedestrian to car collision: Effect of variations in walk**
Špička J., Vychytil J., Hynčík L.