

References

- Altunışık, A.C., Kalkan, E. and Başağa, H.B. (2018), “Structural response relationship between scaled and prototype concrete load bearing systems using similarity requirements”, *Comput. Concr.*, **21**(4), 385-397. <https://doi.org/10.12989/cac.2018.21.4.385>
- Bhattacharya, S., Demirci, H.E., Nikitas, G., Prakhya, G.K.V., Lombardi, D., Alexander, N.A., Aleem, M., Amani, S. and Mylonakis, G. (2021), “Physical modeling of interaction problems in geotechnical engineering”, *Model. Geotech. Eng.*, 205-256. <https://doi.org/10.1016/B978-0-12-821205-9.00017-4>
- Chiou, J.S., Jheng, Y.W. and Hung, H.H. (2019), “Numerical simulation of bridge piers with spread footings under earthquake excitation”, *Earthq. Struct.*, **16**(6), 691-704. <https://doi.org/10.12989/eas.2019.16.6.691>
- Cho, U. and Wood, K. (1997), “Empirical similitude method for the functional test with rapid prototypes”, *Proceedings of the 1997 International Solid Freeform Fabrication Symposium*.
- Kim, S. and Choi, S.W. (2016), “Experimental and analytical investigation based on 1/2 scale model for a cleanroom unit module consisting of steel section and reinforced concrete”, *Adv. Mater. Sci. Eng.*, **2016**, 6920725. <https://doi.org/10.1155/2016/6920725>
- Kline, S.J. (2011), *Similitude and Approximation Theory*, McGraw-Hill, U.S.A.
- Kossakowski, P.G. (2017), “A combined experimental and numerical method for structural response assessment applied to cable-stayed footbridges”, *Adv. Comput. Des.*, **2**(3), 143-163. <https://doi.org/10.12989/acd.2017.2.3.143>
- Kossakowski, P.G. and Uzarska, I. (2019), “Numerical modeling of an orthotropic RC slab band system using the Barcelona model”, *Adv. Comput. Des.*, **4**(3), 211-221. <https://doi.org/10.12989/acd.2019.4.3.211>
- Langhaar, H.L. (1971), *Dimensional Analysis and Theory of Models*, John Wiley & Sons, U.S.A.
- Li, J. (2023), “Computational continuum modelling to analysis the dynamic and static stability of a cantilever nano-scale system”, *Adv. Comput. Des.*, **8**(1), 77-96. <https://doi.org/10.12989/acd.2023.8.1.077>
- Moradi, G., Abdolmaleki, A. and Soltani, P. (2019), “Small-and large-scale analysis of bearing capacity and load-settlement behavior of rock-soil slopes reinforced with geogrid-box method”, *Geomech. Eng.*, **18**(3), 315-328. <https://doi.org/10.12989/gae.2019.18.3.315>
- Phatak, D.R. and Dhonde, H.B. (2003), “Dimensional analysis of reinforced concrete beams subjected to pure torsion”, *J. Struct. Eng.*, **129**(11), 1559-1563. [https://doi.org/10.1061/\(ASCE\)0733-9445\(2003\)129:11\(1559\)](https://doi.org/10.1061/(ASCE)0733-9445(2003)129:11(1559))
- Russo, L., Sorrentino, M., Polverino, P. and Pianese, C. (2017), “Application of buckingham π theorem for scaling-up oriented fast modelling of proton exchange membrane fuel cell impedance”, *J. Power Sources*, **353**, 277-286. <https://doi.org/10.1016/j.jpowsour.2017.03.116>
- Salmani, F. and Mahpeykar, M.R. (2019), “Dimensional analysis for estimating wetness terms of condensing steam using dry flow data”, *J. Therm. Anal. Calorim.*, **137**(6), 2121-2134. <https://doi.org/10.1007/s10973-019-08108-9>
- Salmani, F., Amiri Rad, E. and Mahpeykar, M.R. (2022), “Investigation effects of roughness in wet steam flow with Buckingham Pi-theorem”, *J. Therm. Anal. Calorim.*, 1-11. <https://doi.org/10.1007/s10973-020-10526-z>
- Salmani, F., Mahpeykar, M.R. and Rad, E.A. (2019), “Estimating heat release due to a phase change of high-pressure condensing steam using the Buckingham Pi theorem”, *Eur. Phys. J. Plus*, **134**(1), 48. <https://doi.org/10.1140/epjp/i2019-12416-6>
- Shehadeh, M., Shennawy, Y. and El-Gamal, H. (2015), “Similitude and scaling of large structural elements”, *Alexandria Eng. J.*, **54**(2), 147-154. <https://doi.org/10.1016/j.aej.2015.01.005>
- Simitzes, G.J., Starnes, J.H. and Rezaeepazhand, J. (2002), “Structural similitude and scaling laws for plates and shells: A review”, *Adv. Mech. Plates Shells*, **88**, 295-310. https://doi.org/10.1007/0-306-46954-5_19
- Tanimoto, S. (2006), “Dimensional analysis and physical laws”, *arXiv Preprint Physics*, 0609117. <https://doi.org/10.48550/arXiv.physics/0609117>