

An Initial report on the effect of the fiber orientation on the fracture behavior of steel fiber reinforced self-compacting concrete

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A case study on the spatial variability of strength in a SFRSCC slab and its correlation with fibre orientation

Kartofelev, Dmitri; Goidyk, Oksana; Herrmann, Heiko Proceedings of the Estonian Academy of Sciences 2020 / p. 298-310 : ill <https://doi.org/10.3176/proc.2020.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CFD comparison of the influence of casting of samples on the fiber orientation distribution

Goidyk, Oksana; Heinštein, Mark; Herrmann, Heiko Fibers 2023 / art. 6 <https://doi.org/10.3390/fib11010006>

Comparison of measured fiber orientation in fiber concrete with predictions by CFD simulations

Herrmann, Heiko; Goidyk, Oksana; Braunbrück, Andres; Marjapuu, Rasmus-Richard; Tuisk, Tanel M2D2017 : proceedings of the 7th International Conference on Mechanics and Materials in Design : (Albufeira/Portugal, 11-15 June 2017) 2017 / p. 1245-1246 : ill https://paginas.fe.up.pt/~m2d/Proceedings_M2D2017/data/papers/Book.pdf

Influence of the flow of self-compacting steel fiber reinforced concrete on the fiber orientations, a report on work in progress

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Initial results of local strength analysis of a fiber concrete plate by 4-point bending tests

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The influence of fibre orientation in self-compacting concrete on 4-point bending strength

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Towards benchmark cases for computational fluid dynamics for casting of fiber concrete

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Variation of bending strength of fiber reinforced concrete beams due to fiber distribution and orientation and analysis of microstructure

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Variation of bending strength of fiber reinforced concrete beams due to fiber distribution and orientation and analysis of microstructure

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