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## Study of quark GTMDs for kaon in light-cone quark model

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### Summary

We investigate the generalized transverse momentum dependent quark distributions (GTMDs) for kaon in light-cone quark model. The leading twist GTMDs are evaluated from the quark-quark correlator by considering the unpolarized, longitudinally-polarized and transversely-polarized quark in unpolarized kaon. For the evaluation of GTMDs, the overlap representation of light-cone wavefunctions is used. We observe the variation of GTMDs with longitudinal momentum fraction ( $x$ ) at different values of quark transverse momentum.

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