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Structure of hybrid static potential flux tubes in SU(2) Lattice Yang-Mills-theory

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We study the structure of hybrid static potential flux tubes in SU(2) Lattice Yang-Mills-theory. To this end, we compute the square of the chromoelectric and chromomagnetic field strength components for different hybrid static potential quantum numbers. We find clear indications that the gluonic distribution is different compared to the ordinary static potential and present corresponding first results.

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