

Heavy two- and three-quark free energies at finite T

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Abstract: We investigate the behaviour of heavy QQ - and QQQ -free energies in $SU(3)$ pure gauge theory at finite T . After stating some general properties of the free energies, we discuss the QQ -triplet and -sextet channels as well as free energies in different QQQ -channels. We perform a detailed finite volume scaling analysis of QQ -free energies below and above T_c . Moreover, we also discuss the relation of the QQ -triplet to the $Q\bar{Q}$ -singlet free energies above T_c .