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Screening without dynamical quarks

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Screening of external charges by electric fluxes induced by periodic boundary conditions in two dimensional gauge theories will be discussed. Subsequently, the less known problem of introducing sources with arbitrary charge, i.e. non-congruent with an elementary one, will be presented and elaborated. Finally the new, classical continuum limit of lattice formulation will be proposed and shown to reproduce confining potential with an arbitrary classical charge. Connection with the massive Schwinger model will be also indicated.

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