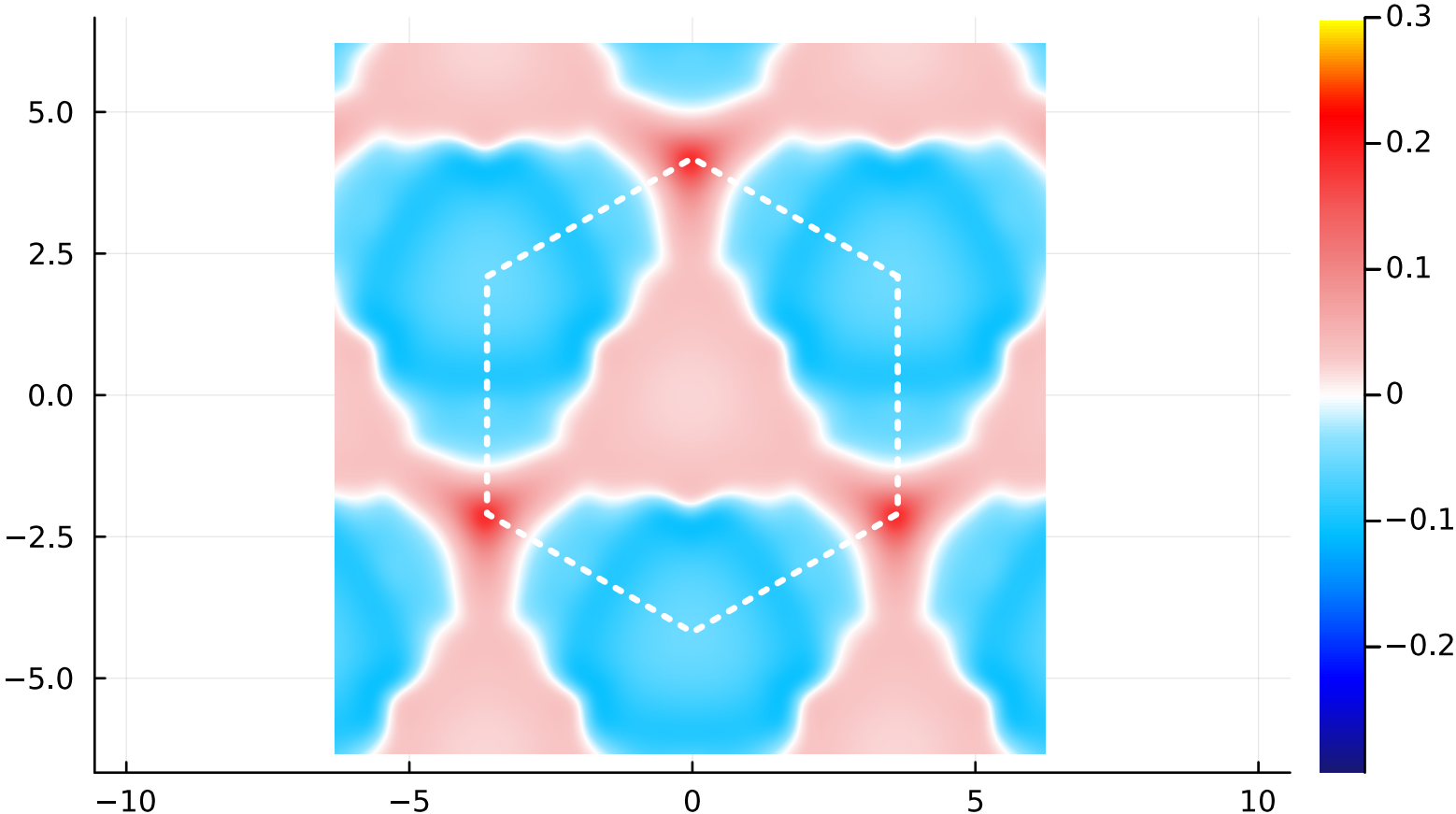Gre of spin down states on fermisurface