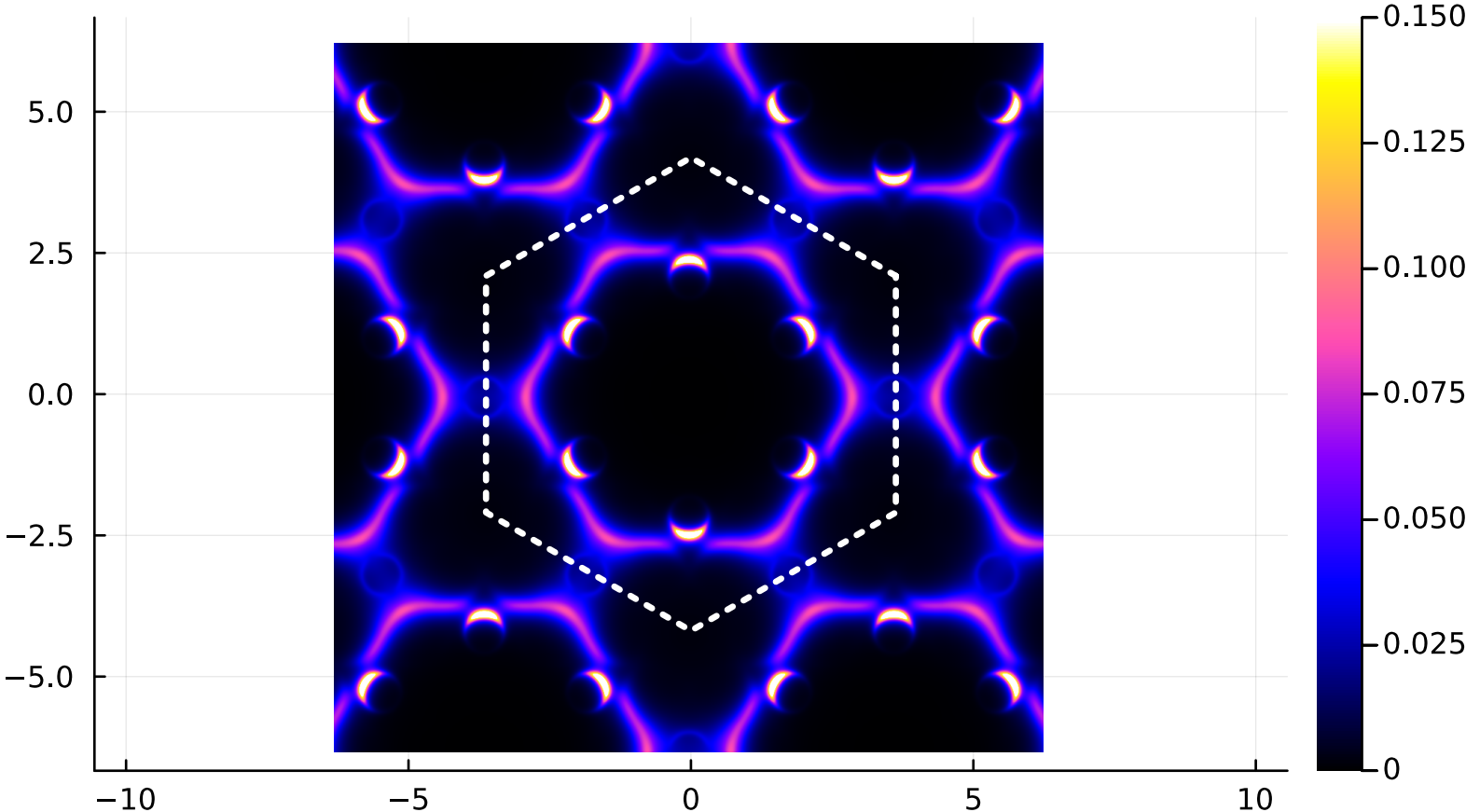Density of spin down states on fermisurface