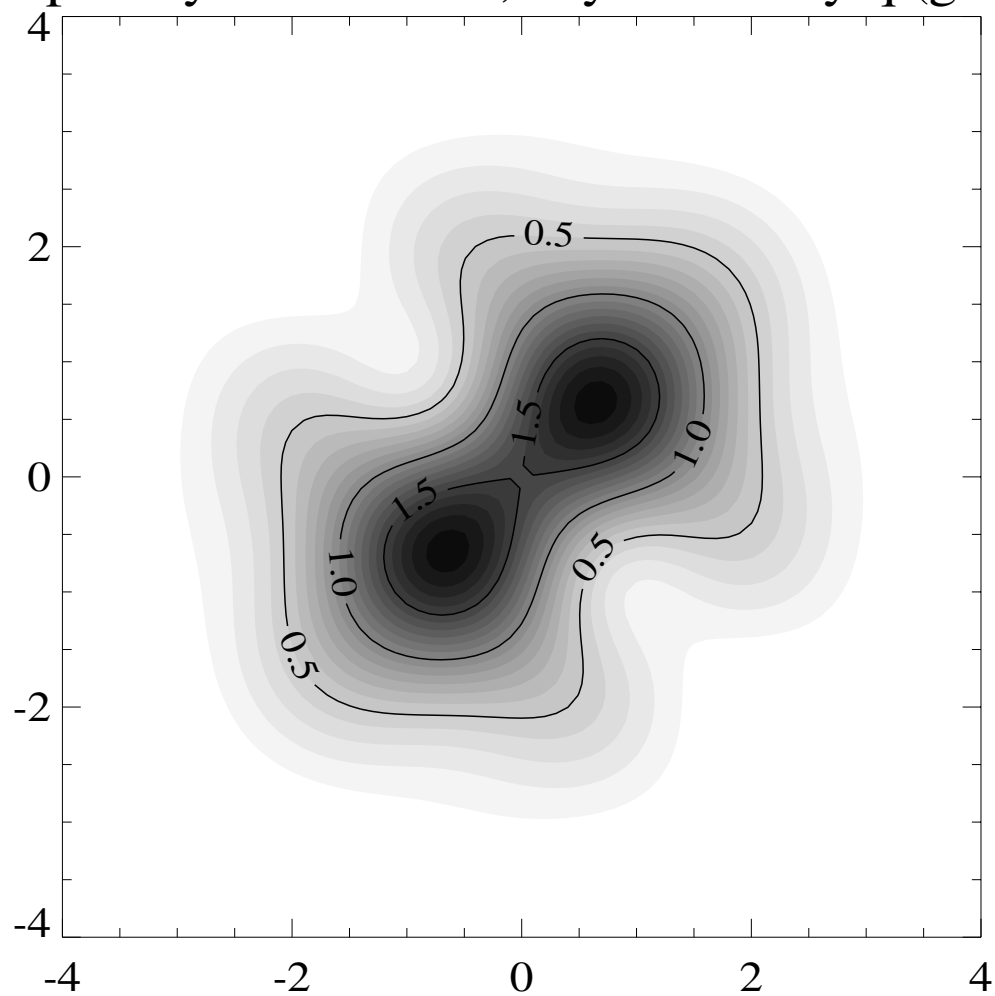
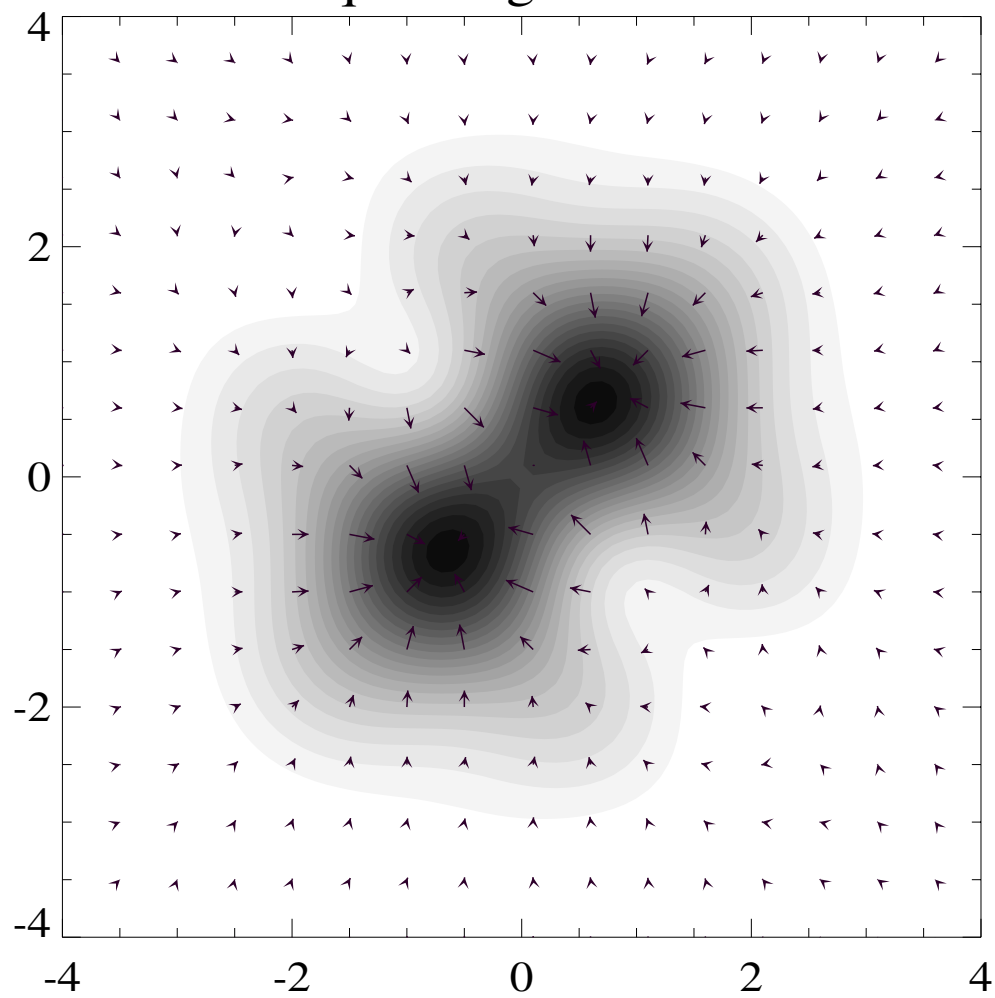


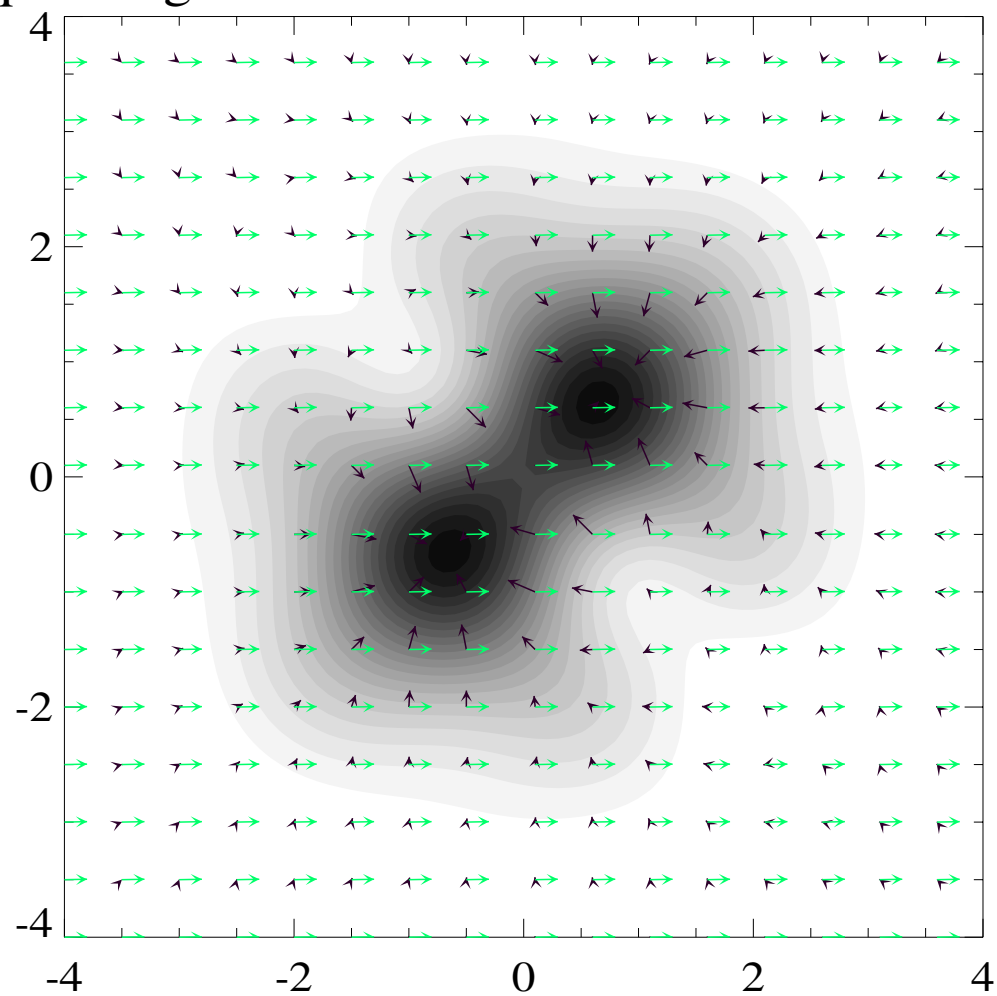
A patchy scalar field, say humidity q (g/kg)



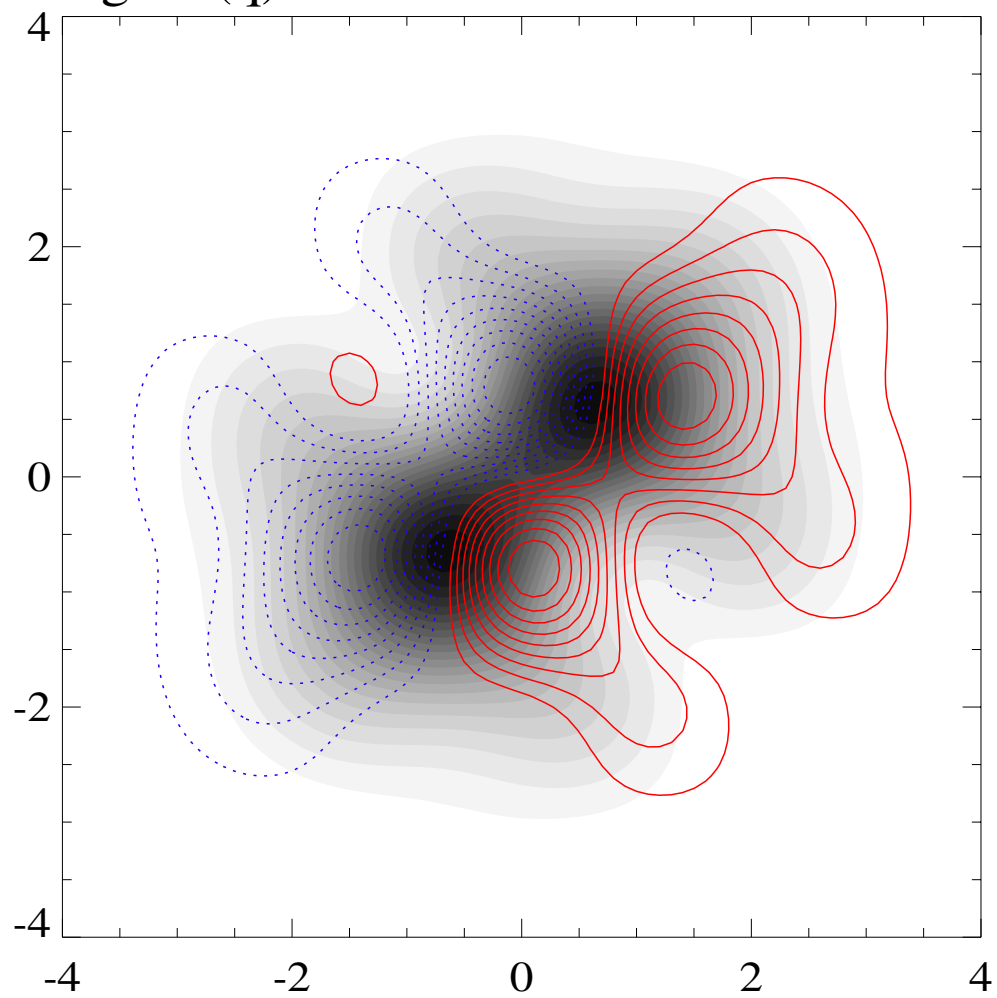
q & its gradient



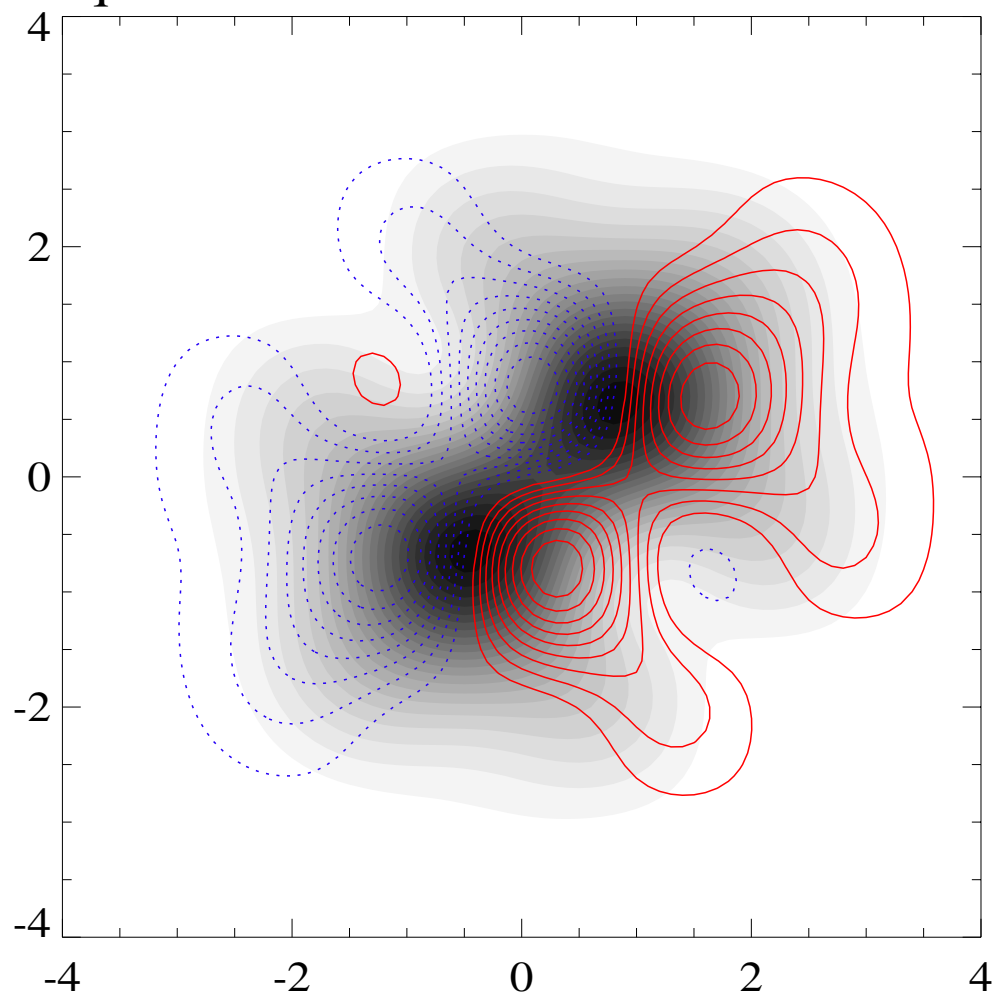
q & its gradient AND A CONSTANT WIND



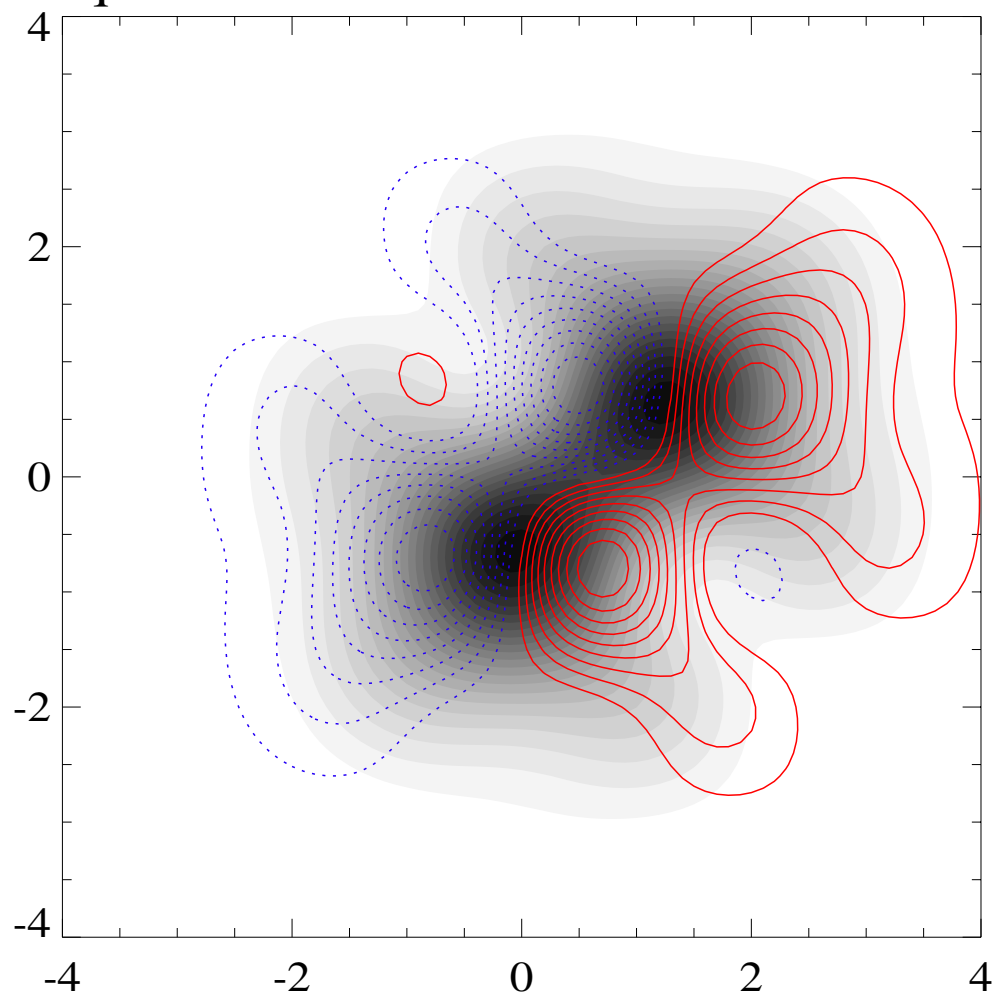
$-U.\text{grad}(q) =$ ADVECTIVE TENDENCY



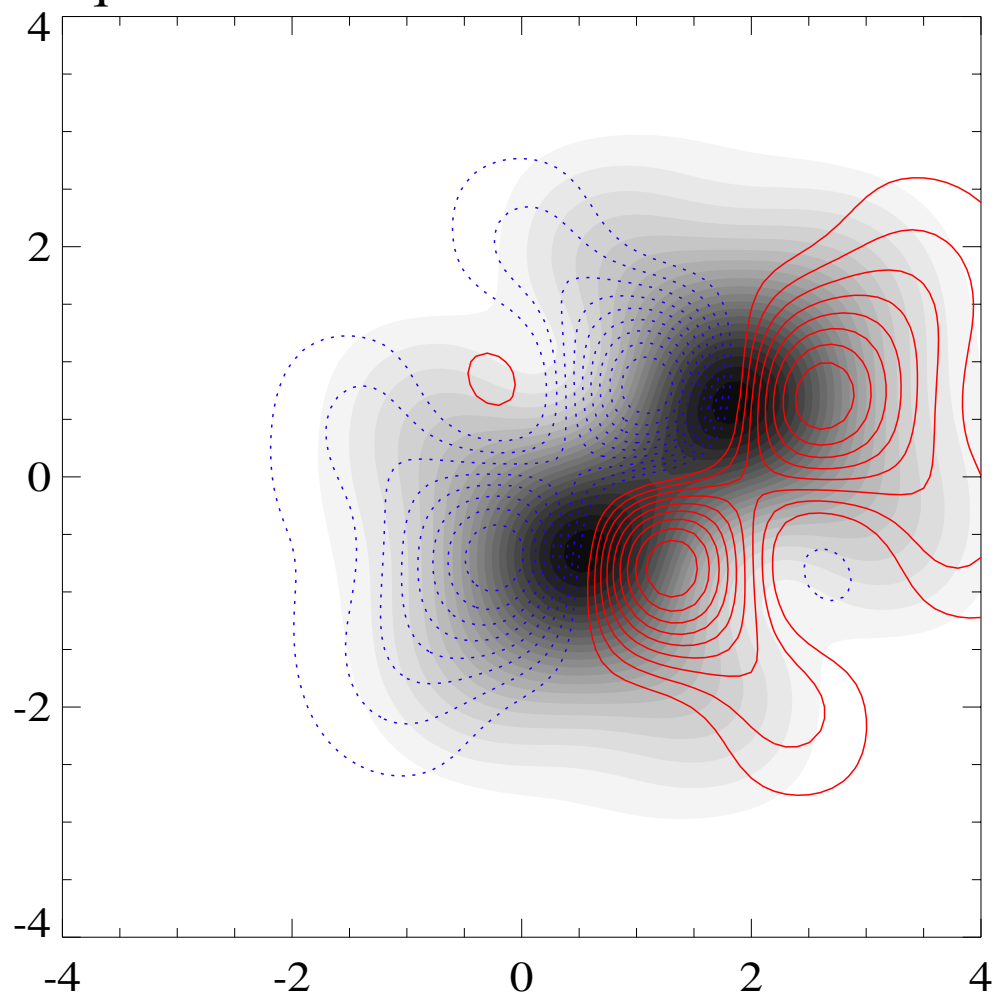
q and advective tend. at future time



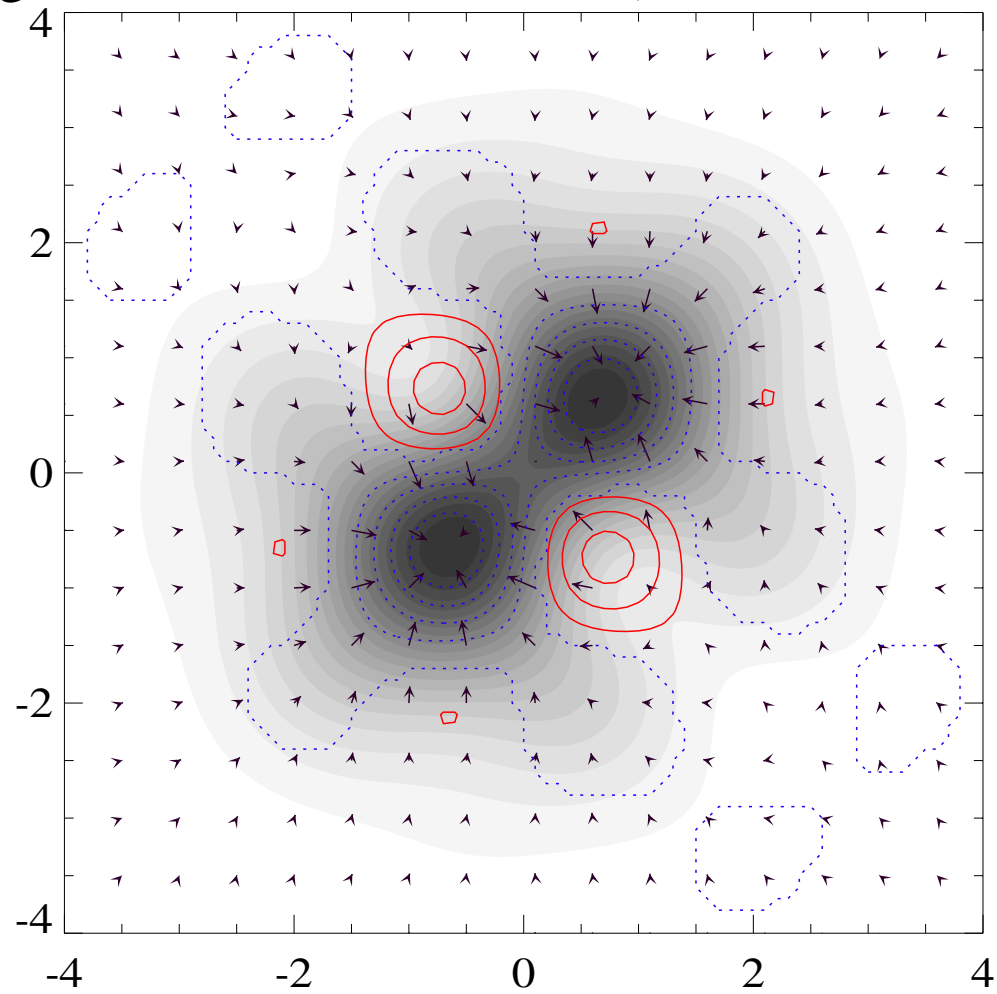
q and advective tend. at future time



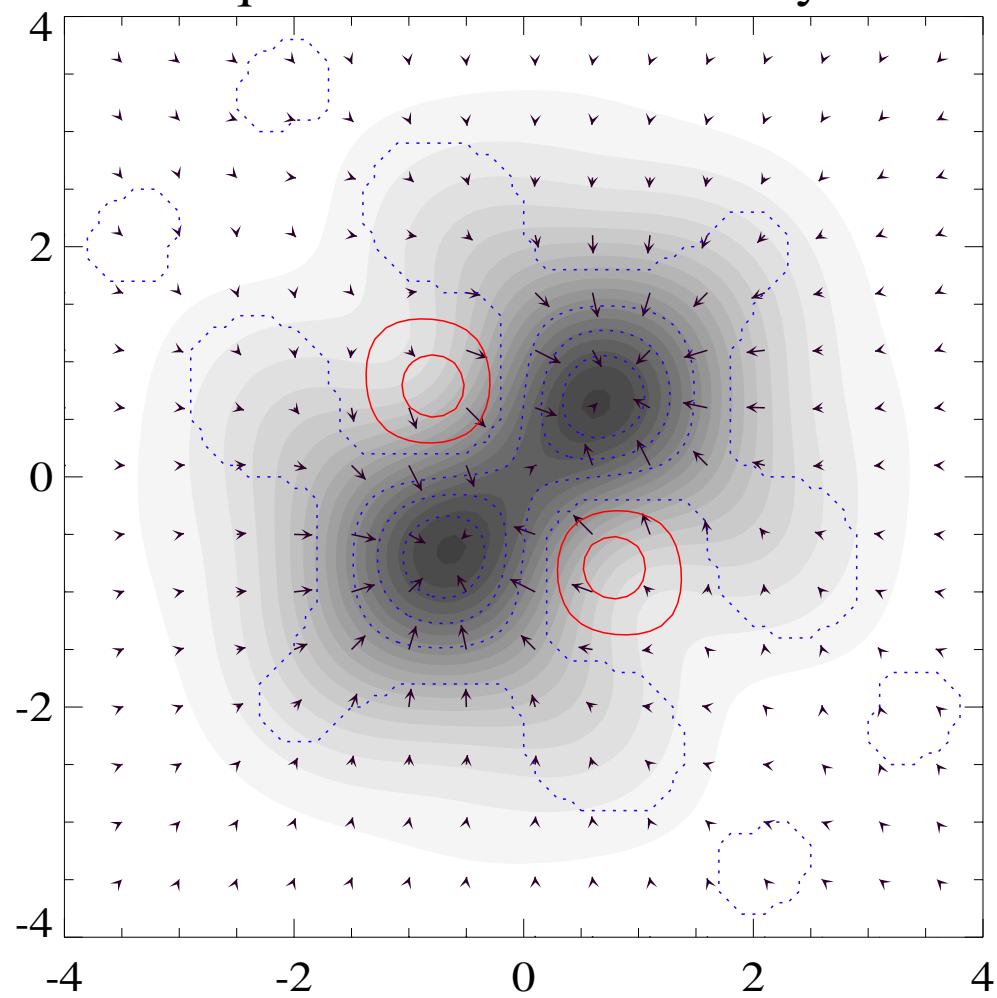
q and advective tend. at future time



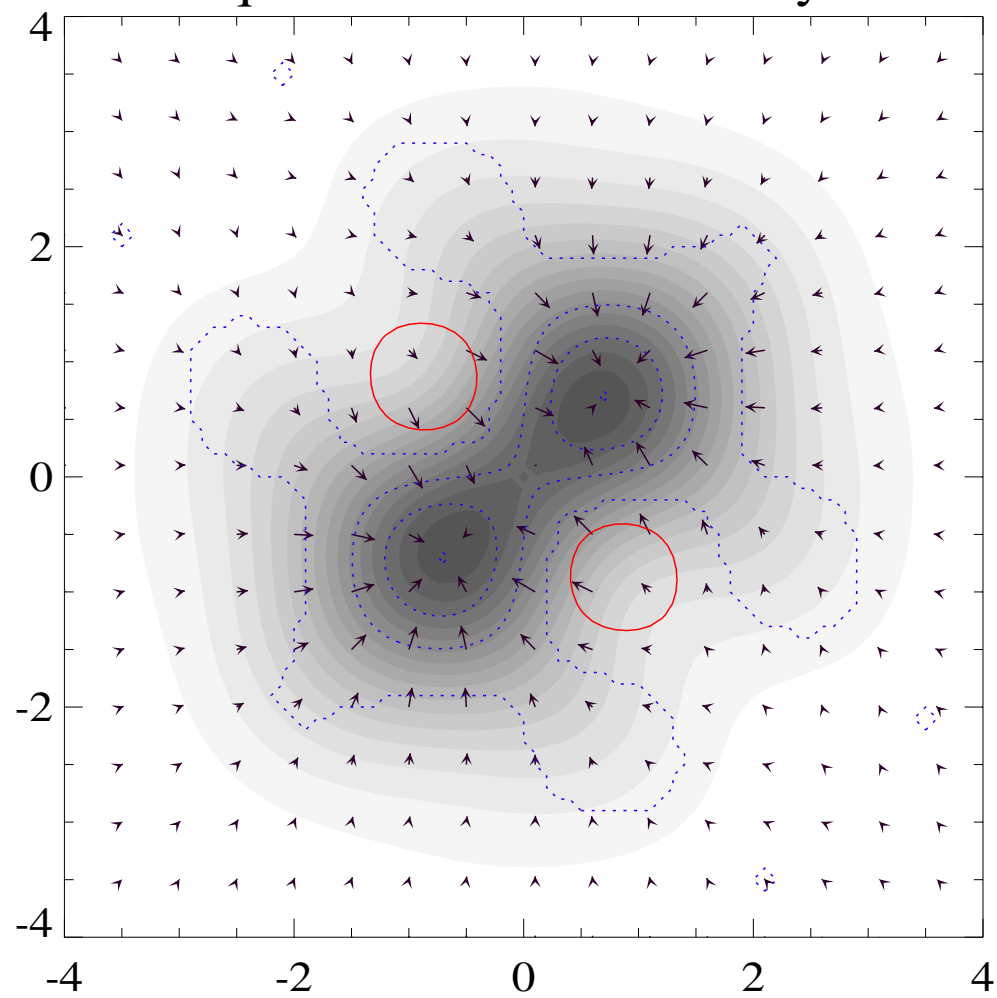
q, gradient & LAPLACIAN (diffusive tendency)



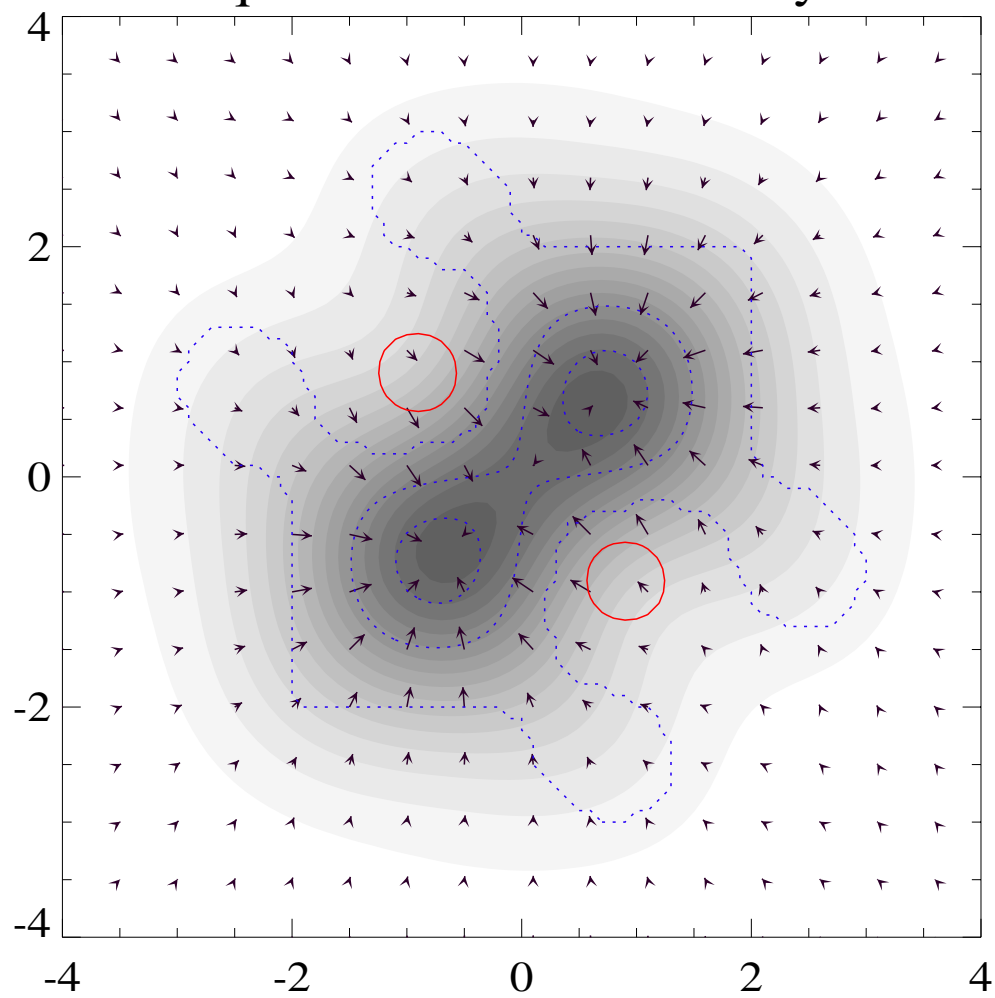
q and diffusive tendency



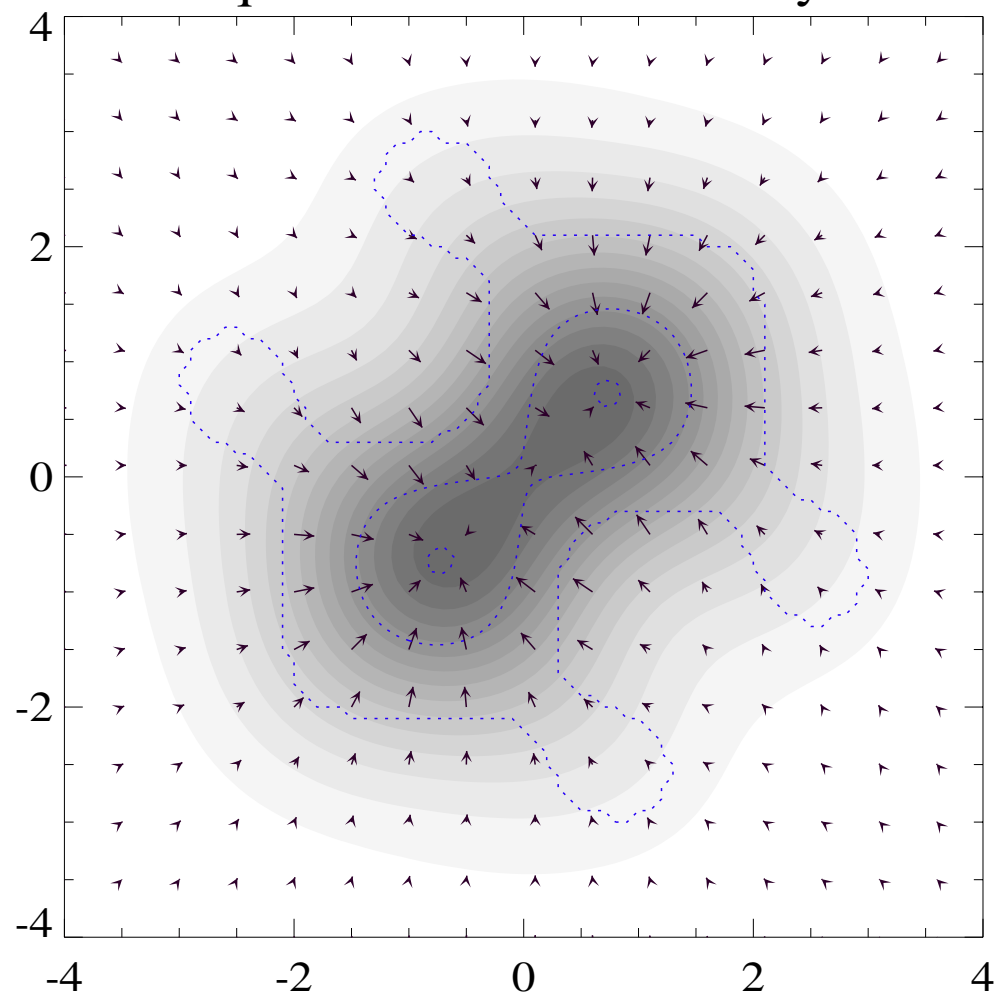
q and diffusive tendency



q and diffusive tendency



q and diffusive tendency



q and diffusive tendency

