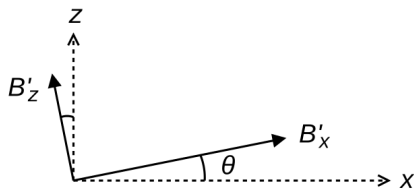


correction: probe tilt



$$B_x = B'_x \cos \theta - B'_z \sin \theta, \quad B_z = B'_z \cos \theta + B'_x \sin \theta \quad (1)$$

1. θ is small:

$$B_x = B'_x - B'_z \theta, \quad B_z = B'_z + B'_x \theta$$

2. $B_z = 0$ at center:

$$\theta = -\frac{B'_z}{B'_x}$$