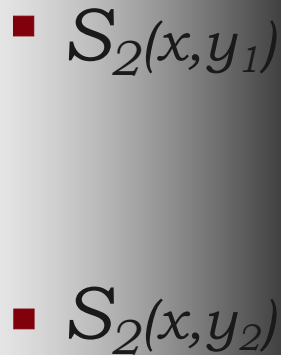


$$S_1(x, y_1)$$

$$S_1(x, y_2)$$

$$\frac{FOV_y}{2}$$



$$S_2(x, y_1)$$

$$S_2(x, y_2)$$



$$S_3(x, y_1)$$

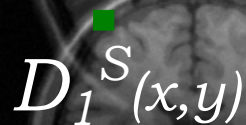
$$S_3(x, y_2)$$



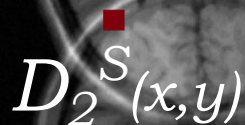
$$S_4(x, y_1)$$

$$S_4(x, y_2)$$

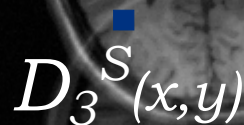
sensitivity coil profiles



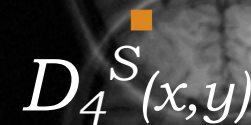
$$D_1^S(x, y)$$



$$D_2^S(x, y)$$



$$D_3^S(x, y)$$

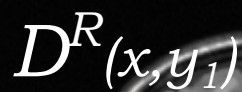


$$D_4^S(x, y)$$

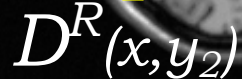


$$\frac{FOV_y}{2}$$

subsampled **x**-space images



$$D^R(x, y_1)$$



$$D^R(x, y_2)$$

reconstructed image

$$\begin{cases} D_1^S(x, y) = S_1(x, y_1)D^R(x, y_1) + S_1(x, y_2)D^R(x, y_2) \\ D_2^S(x, y) = S_2(x, y_1)D^R(x, y_1) + S_2(x, y_2)D^R(x, y_2) \\ D_3^S(x, y) = S_3(x, y_1)D^R(x, y_1) + S_3(x, y_2)D^R(x, y_2) \\ D_4^S(x, y) = S_4(x, y_1)D^R(x, y_1) + S_4(x, y_2)D^R(x, y_2) \end{cases}$$

$$M(\mathbf{x}) = \left| \widehat{\mathbf{D}^R(\mathbf{x})} \right|$$