

Parto Resaneh



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<http://PartoResaneh.blog.ir>

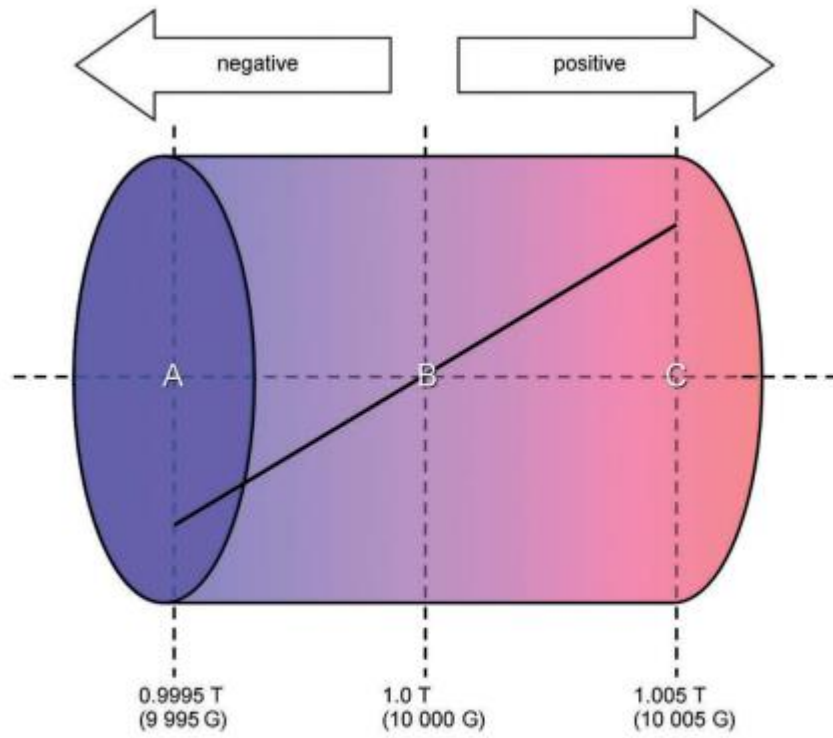
بسم الله الرحمن الرحيم

فایل ضمیمه آموزش مبانی MRI-قسمت ۷

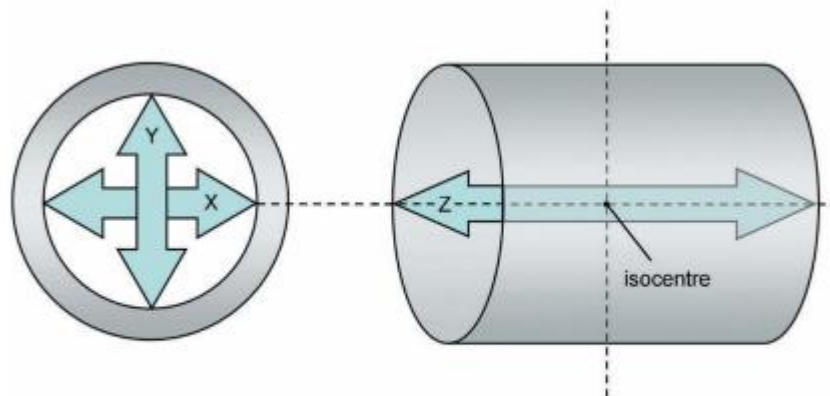
کاری از کیانوش حسینی

تمامی حقوق این اثر برای پرتو رسانه محفوظ است. (۱۳۹۶)

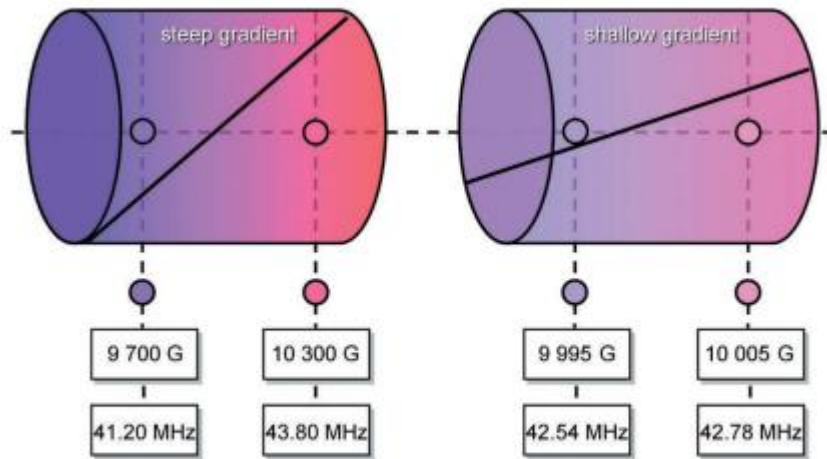
تصاویر این ضمیمه از کتاب MRI In Practice و وبسایت <http://mri-q.com/> اخذ شده است.



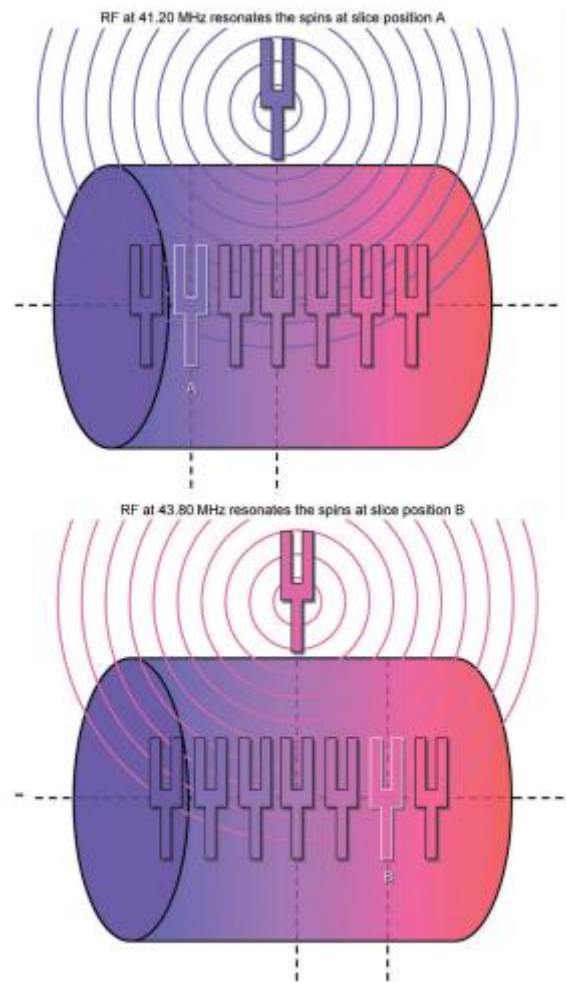
Gradients and changing field strength.



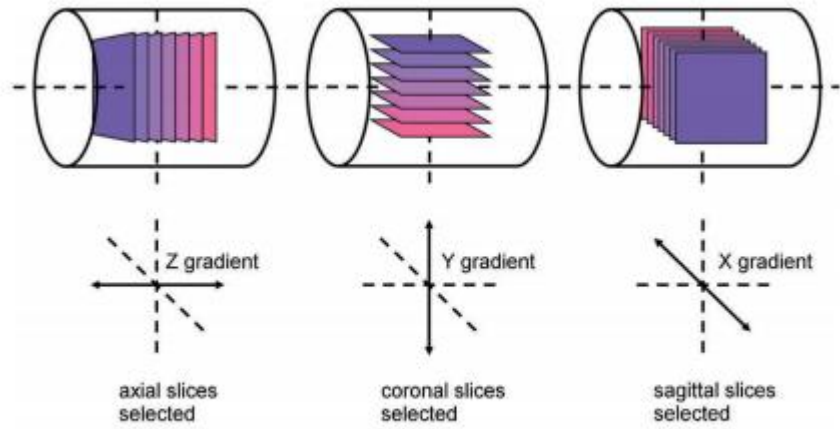
Gradient axes in a typical superconducting system.



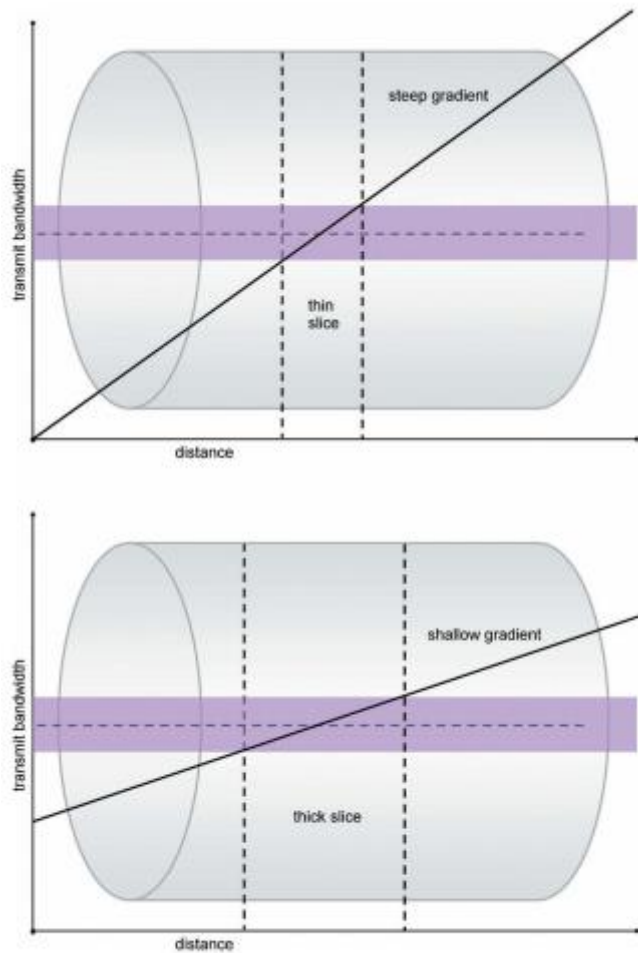
Steep and shallow slopes.



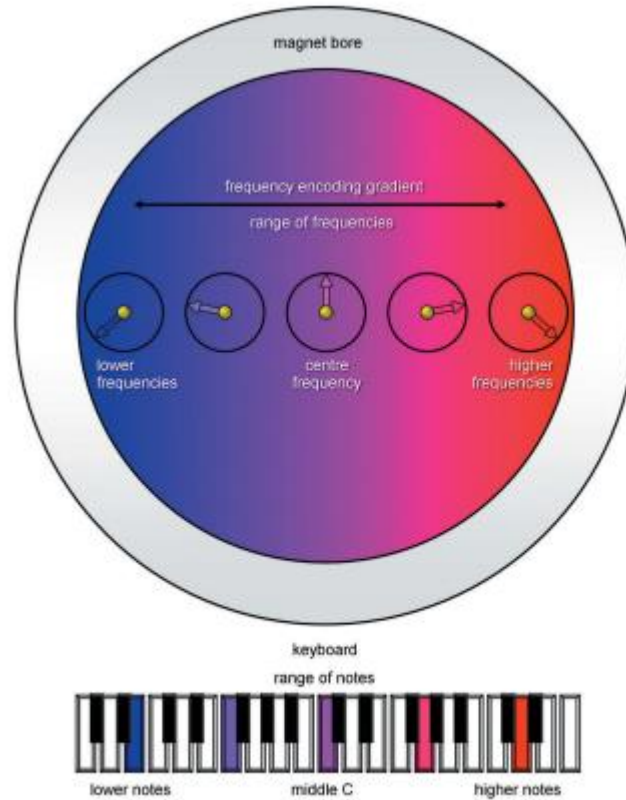
Slice selection.



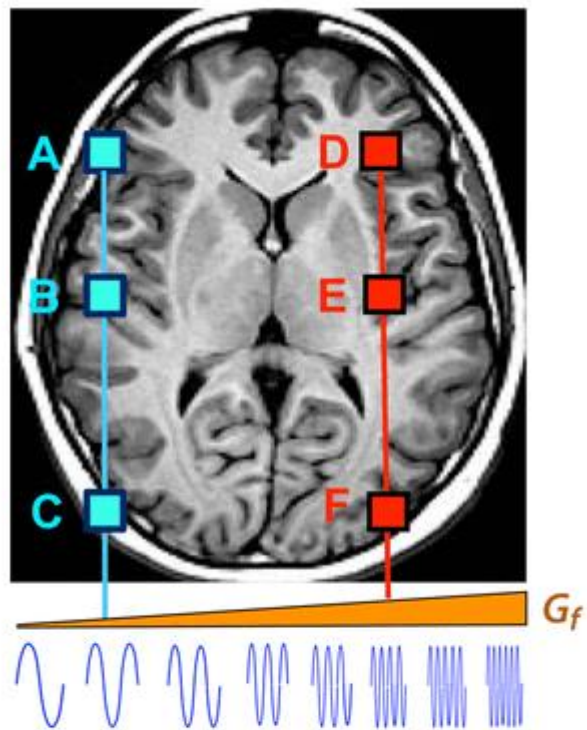
X, Y and Z as slice selectors.



Transmit bandwidth, gradient slope and slice thickness.



Frequency encoding.



### Frequency encoding

A linearly increasing frequency-encoding gradient ( $G_f$ ) applied along the horizontal ( $x$ -) axis. Pixels A, B, and C all resonate at the same lower frequency; D, E and F at the same higher frequency.

