Exchange Coupling in Fe/CR and Co/FeMn

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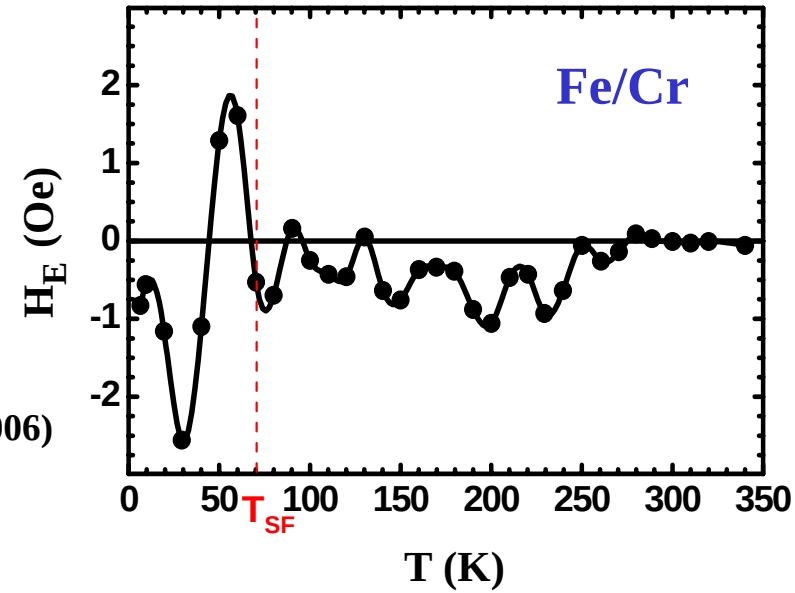
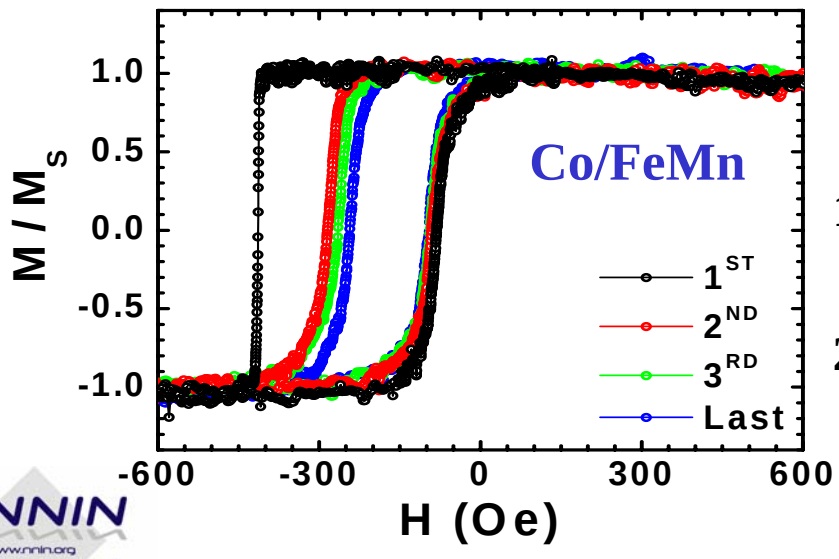
- **Use AF/F exchange coupling to probe the spin structure of Cr.**
- **Observe spin flip transition at T ~ 70 K.**
- **Oscillations in H_E (T) for $T > T_{SF}$ due to transverse spin density wave propagating out of the film plane.**

J.S. Parker, *et al.* Phys. Rev. Lett. 97. 227206, (2006)





Two component training effect

1. **Abrupt single cycle training, decrease in loop asymmetry.**
2. **Conventional training with cycle dependence**

$$H_E \propto n^{-1/2} \text{ (for } n > 2)$$