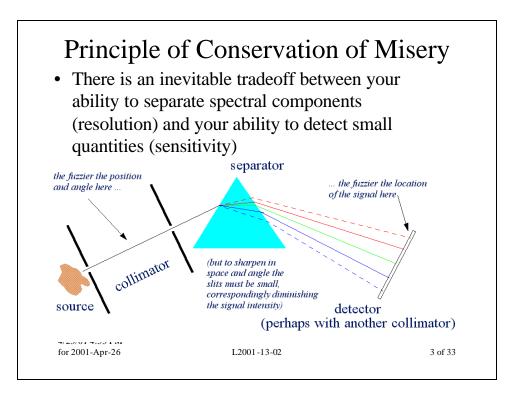
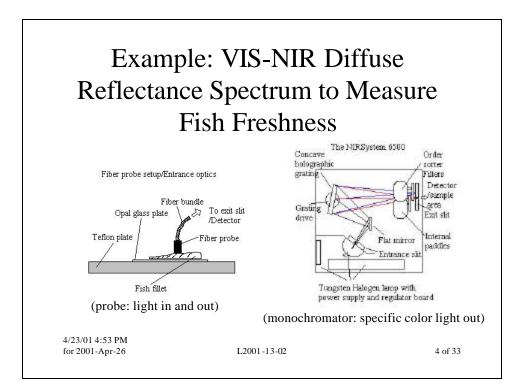
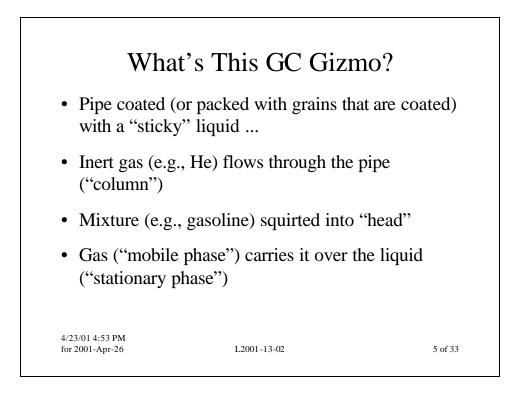
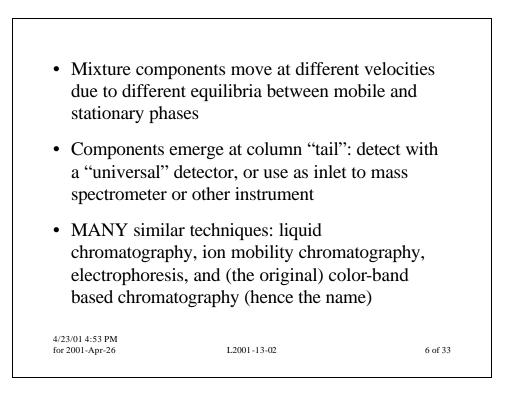


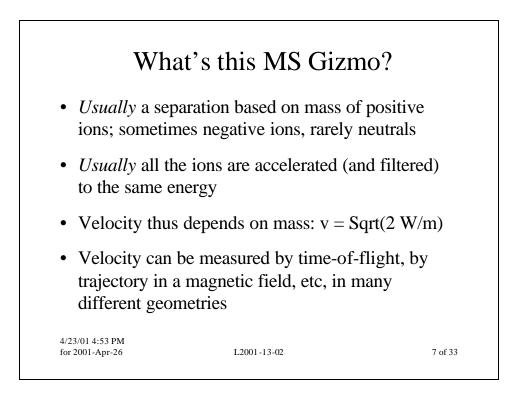
Spectroscopies			
<ul> <li>Signal as a function of some dispersion parameter <ul> <li>retention time (chromatographies)</li> <li>drift time (ion mobility spectroscopy)</li> <li>wavelength (optical spectroscopy)</li> <li>frequency (NMR, NQR, ESR)</li> <li>photon energy (x-ray, γ-ray spectroscopies)</li> <li>particle energy (photoelectron energy spectroscopy)</li> <li>ion mass (mass spectroscopies)</li> </ul> </li> <li>Always three functions, usually three modules: <ul> <li>source</li> <li>dispersion element</li> </ul> </li> </ul>			
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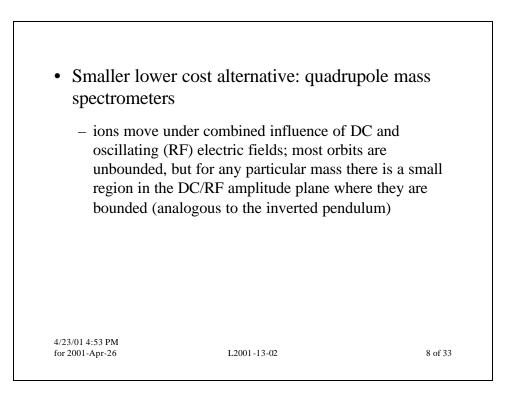


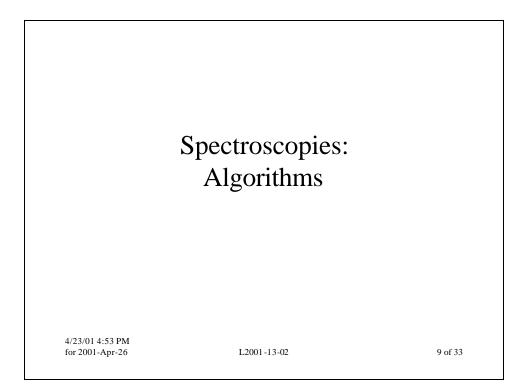


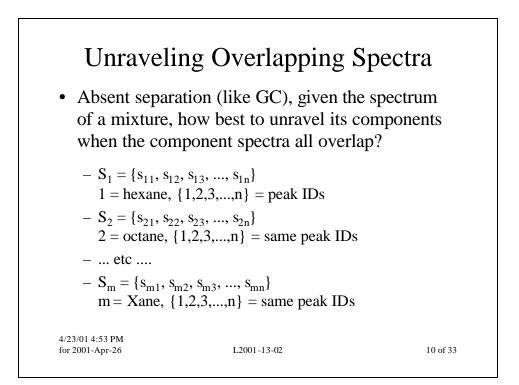


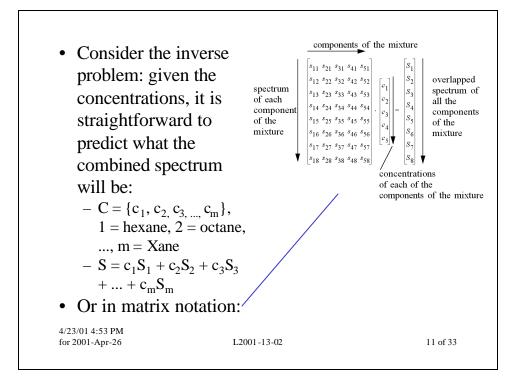


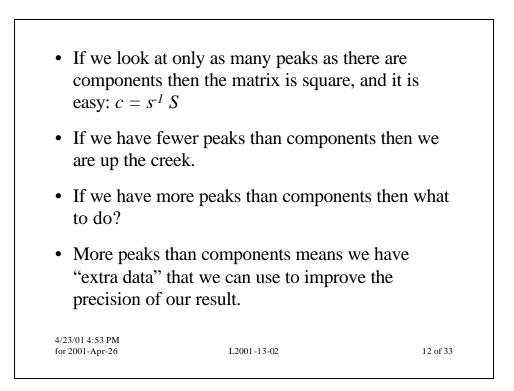


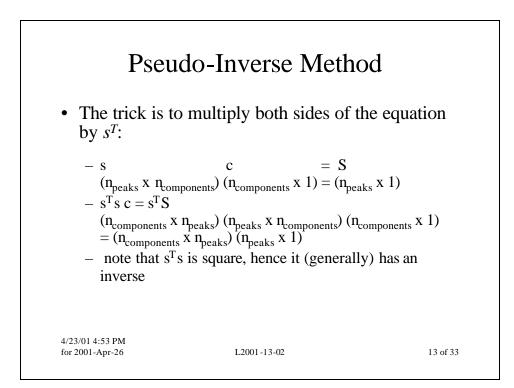


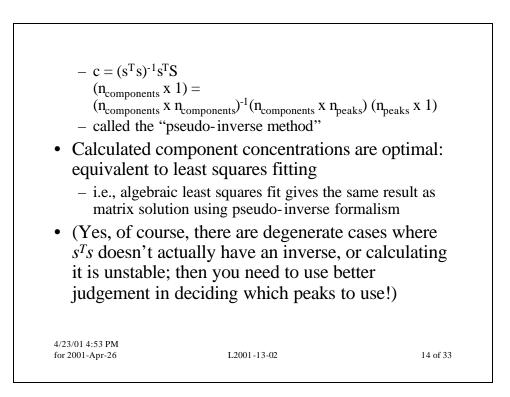


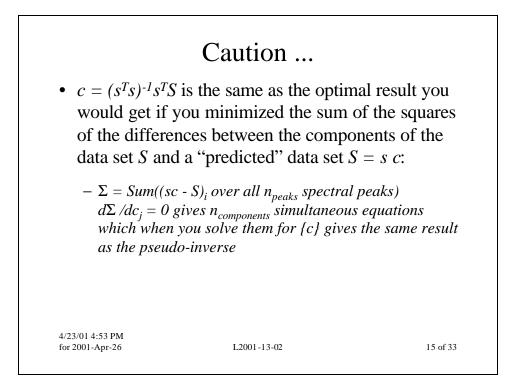


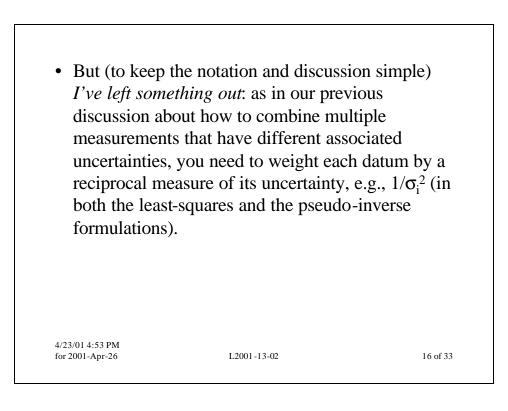


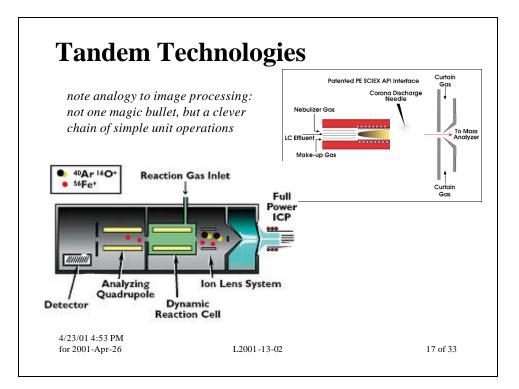




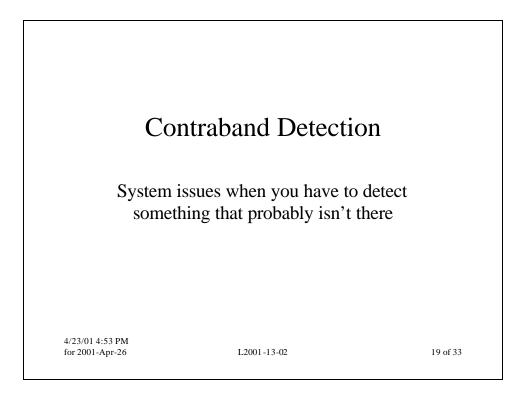


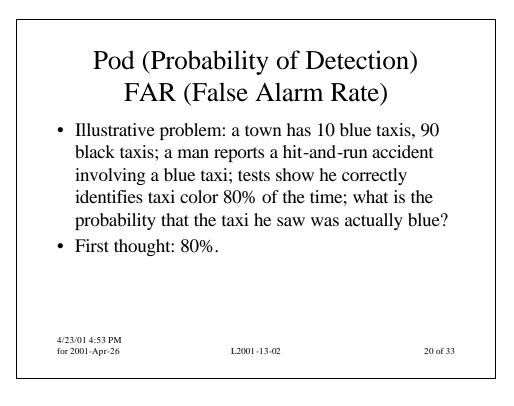


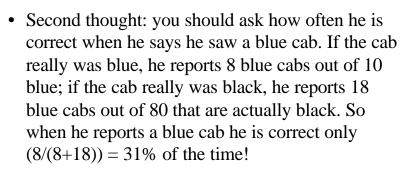










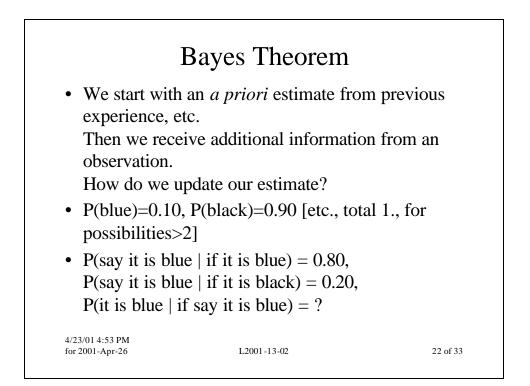


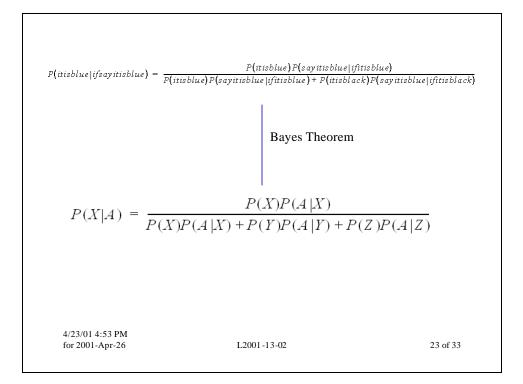
• (see http://www.maa.org/devlin/devlinjune.html)

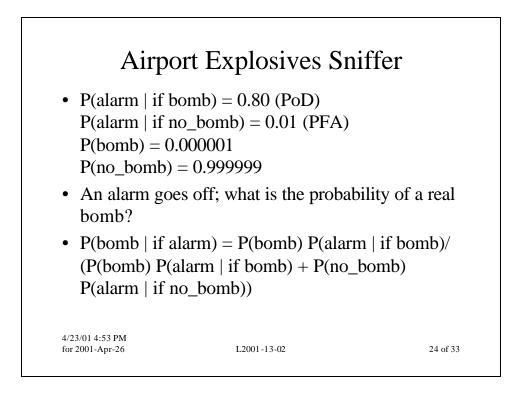
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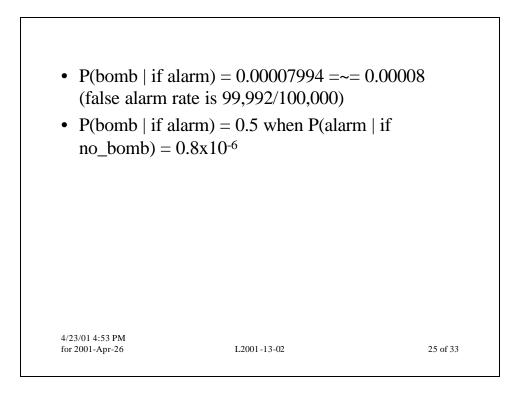
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Try this one			
• A commercial sy Semtex, HMX.	vstem reports NG, RDX,	PETN, TNT,	
· · · · · · · · · · · · · · · · · · ·	NG)=0.15, P(RDX)=0.10 (Semtex)=0.25, P(HMX) ).		
NG)=0.80, P(RE   if PETN)=0.60, P(Semtex_alarm HMX)=0.70, P(s	characteristics are P(NG_ DX_alarm   if RDX)=0.85 P(TNT_alarm   if TNT)= if Semtex)=0.90, P(HM some_alarm   if other)=0. if any_of_the_six)=0.05 =0.01	5, P(PETN_alarm =0.75, X_alarm if 30,	
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