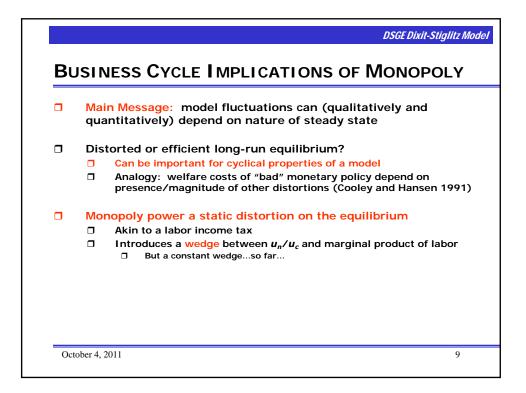


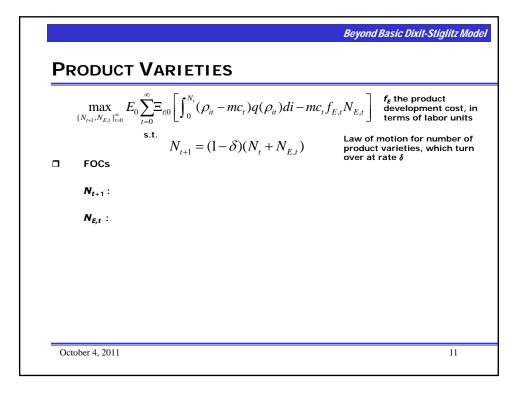
BUSINESS CYCL	E IMPLICATIONS OF MONOPOLY					
Effects of TFP sho competition ( $\mu$ =		nodeland v	vith monopo	listic		
	S	D %	Relative SD: SD(x)/SD(GDI			
Effect of TFP shocks on hours are dampened by imperfect competition	RBC Model	Imperfect Competition	RBC Model	Imperfect Competition		
GDP	1.75	1.71	1	1		
Consumption	1.31	1.41	0.745	0.826		
Gross Investment	5.77	6.28	3.283	3.668		
Hours	0.68	0.62	0.386	0.363		
Real Wage	1.38	1.44	0.785	0.841		
Marginal Product of Labor	1.38	1.44	0.785	0.841		

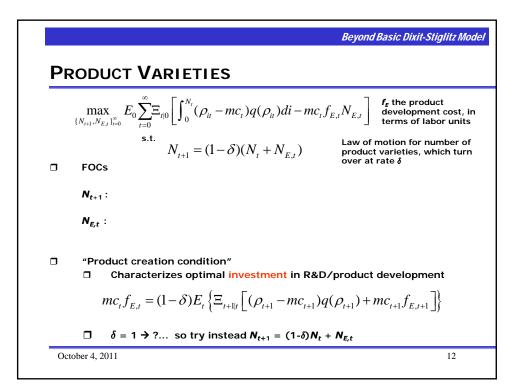
Effects of TFP shocks in RBC modeland with monopolistic competition ( $\mu = 1.4$ )				
S	D %	Relative SD: SD(x)/SD(GD		
RBC Model	Imperfect Competition	RBC Model	Imperfect Competition	
1.75	1.65	1	1	
1.31	1.49	0.745	0.898	
5.77	6.64	3.283	4.015	
0.68	0.56	0.386	0.341	
1.38	1.49	0.785	0.902	
1.38	1.49	0.785	0.902	
	ocks in RBC r       1.4)       S       RBC Model       1.75       1.31       5.77       0.68       1.38	ocks in RBC modeland w   SD %   RBC Model Imperfect Competition   1.75 1.65   1.31 1.49   5.77 6.64   0.68 0.56   1.38 1.49	SD %   Relative SD:     RBC Model   Imperfect Competition   RBC Model     1.75   1.65   1     1.31   1.49   0.745     5.77   6.64   3.283     0.68   0.56   0.386     1.38   1.49   0.785	

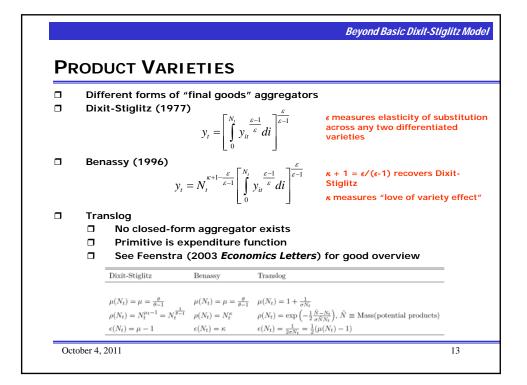
SUSINESS CYCLE IMPLICATIONS OF MONOPOLY				NOPOLY
Effects of governments of governments by the second				
	Relative SD: SD(x)/SD(GDP)			
	RBC Model	<b>μ</b> = 1.2	μ = 1.4	<b>μ</b> = 1.6
GDP	1	1	1	1
Consumption	0.998	0.925	0.882	0.857
Gross Investment	8.027	9.277	10.494	11.679
Hours	1.435	1.435	1.436	1.437
Real Wage	0.477	0.490	0.504	0.519
Marginal Product of Labor	0.477	0.490	0.504	0.519

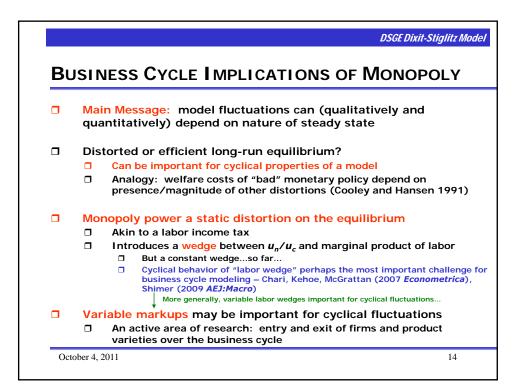


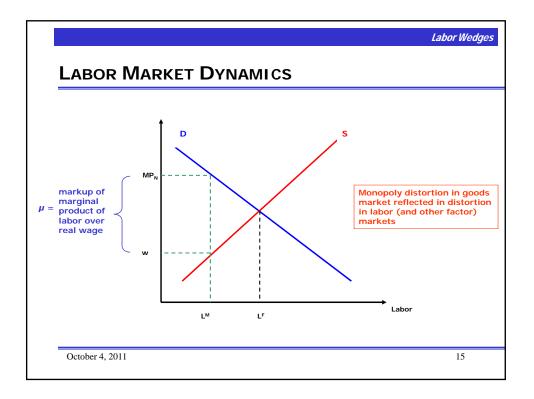
5114	E23	S CYCLE IMPLICATIONS OF MONOPO	LY		
Main Message: model fluctuations can (qualitatively and quantitatively) depend on nature of steady state					
Diste	orteo	d or efficient long-run equilibrium?			
	Can	be important for cyclical properties of a model			
		ogy: welfare costs of "bad" monetary policy depend on ence/magnitude of other distortions (Cooley and Hansen 1	991)		
Mon	opol	y power a static distortion on the equilibrium			
	Akin	to a labor income tax			
	Intr	oduces a wedge between $u_n/u_c$ and marginal product of lab	or		
		But a constant wedgeso far			
		Cyclical behavior of "labor wedge" perhaps the most important cha business cycle modeling – Chari, Kehoe, McGrattan (2007 <i>Econome</i> Shimer (2009 <i>AEJ:Macro</i> )			
Varia	able	markups may be important for cyclical fluctuations			
		ctive area of research: entry and exit of firms and product eties over the business cycle			

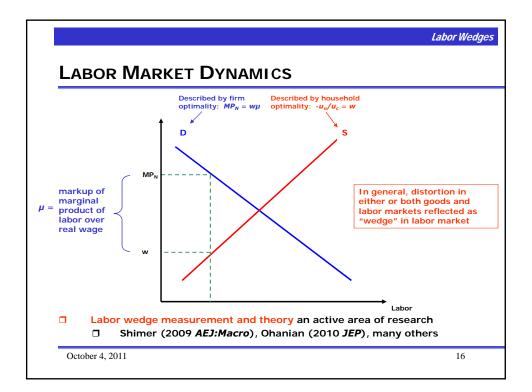


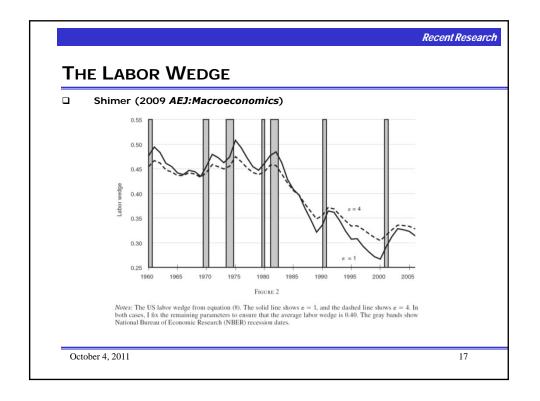












Ohanian (2010 Journal of Economic Perspectives)						
Table 2 Recession Diagnostic Distortions (percent changes)						
	Labor deviation	Capital deviation	Productivity deviation			
A: U.S., Postwar Recessions vs. 2007–2009 Re Average postwar recessions 2007–09 recession (2007-Q4 to 2009-Q3)	ecession -2.4 -12.9	1.8 0.3	-2.2 -0.1			
B: 2007–2009 Recession, U.S. vs. Other High-		0.5	-0.1			
United States	-12.9	0.3	-0.1			
Canada France Germany	-0.9 1.7 4.8	0.7 1.3 -1.1	-7.0 -6.1 -7.0			
Italy Japan United Kingdom	-0.8 2.9 -2.3	0.3 -0.4 0.0	-7.2 -7.1 -8.2			
Average other high-income countries	0.9	0.1	-7.1			