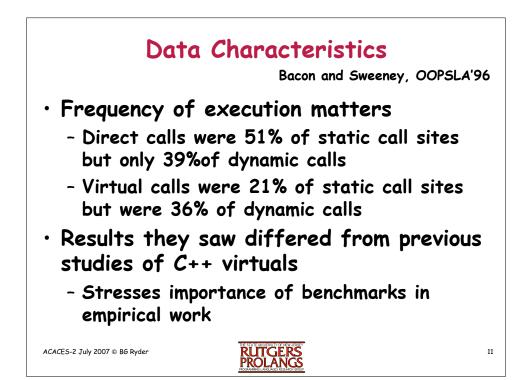
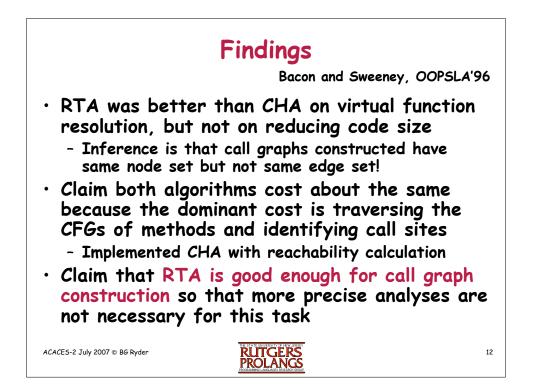
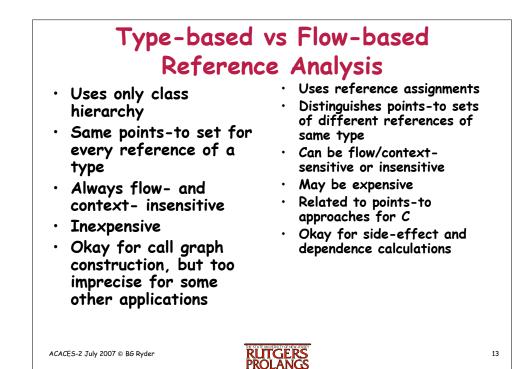
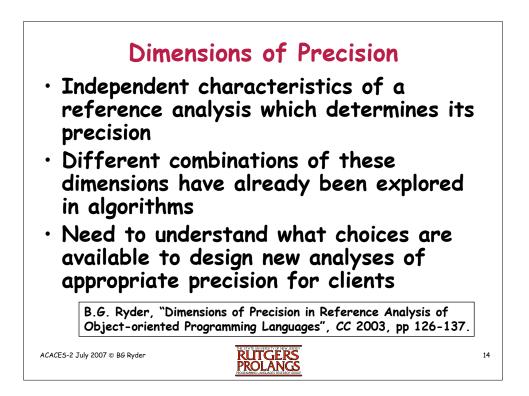


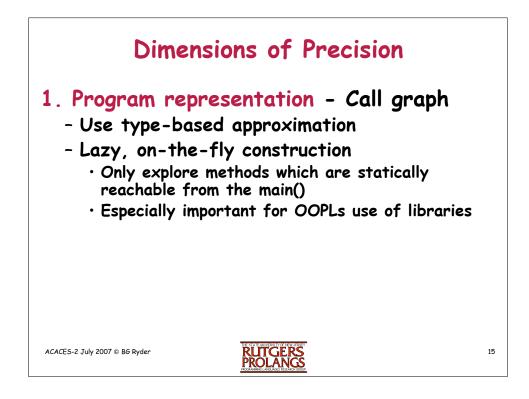
	E		imental Comparison	
			C++ Programs	
			Bacon and Sweeney, OOPSL	
	Benchmark	Lines	Description	1
	sched	5,712	· · · · · · · · · · · · · · · · · · ·	]
	ixx	$\frac{5,712}{11,157}$	RS/6000 Instruction Timing Simulator IDL specification to C++ stub-code translator	
	lcom	17,278	Compiler for the "L" hardware description language	
	hotwire	5,335	Scriptable graphical presentation builder	
	simulate	6,672	Simula-like simulation class library and example	
	idl	30,288	SunSoft IDL compiler with demo back end	
	taldict	11,854	Taligent dictionary benchmark	
	deltablue	1,250	Incremental dataflow constraint solver	
	richards	606	Simple operating system simulator	
	Table 1: B	enchmark	Programs. Size is given in non-blank lines of code	I
ACACES	5-2 July 2007 © BG Ryc	ler	RUTGERS PROLANGS	10

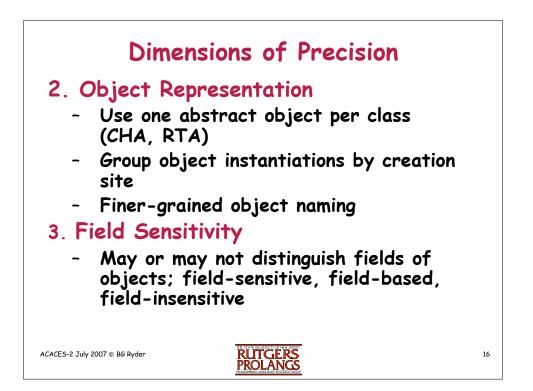


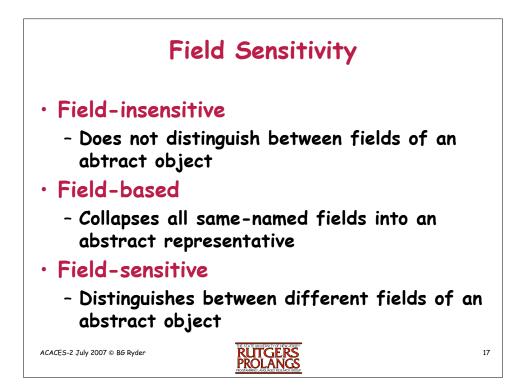


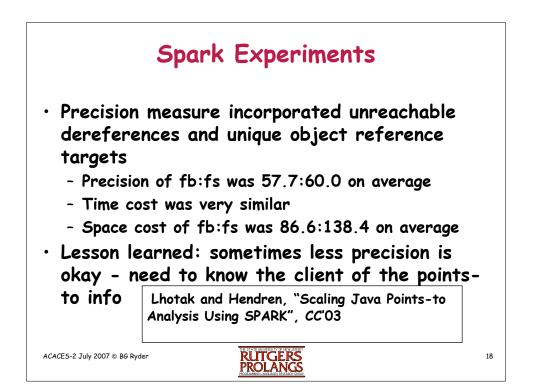


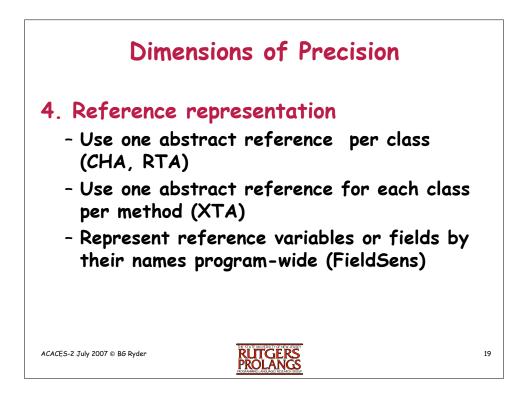


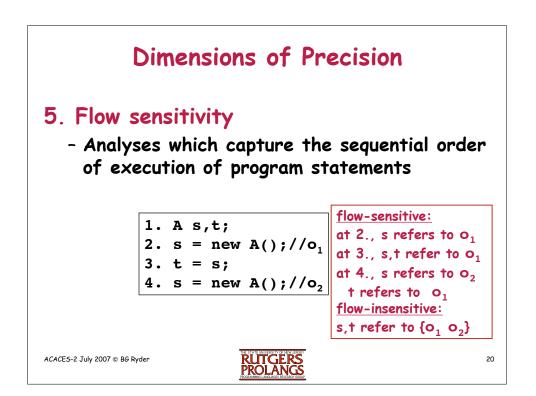


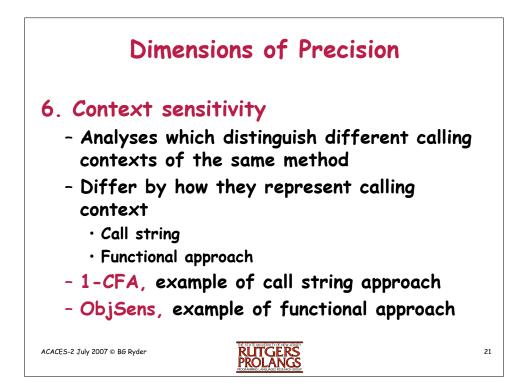


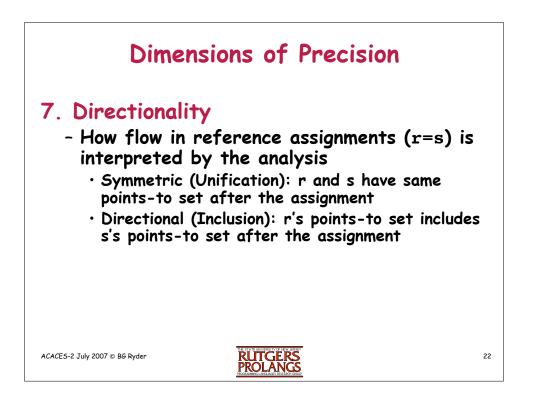


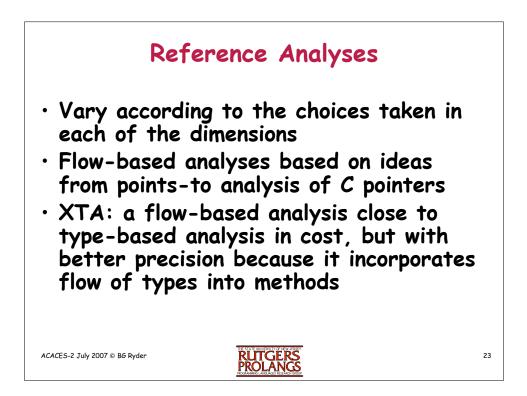


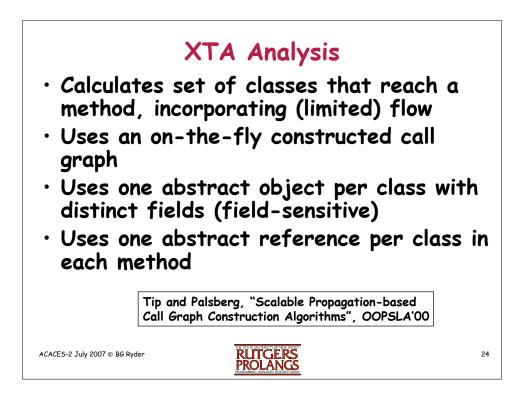


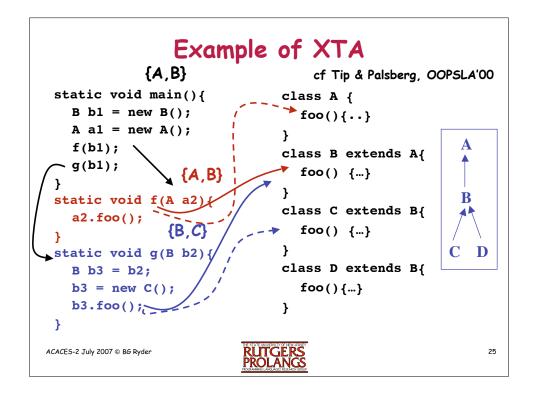


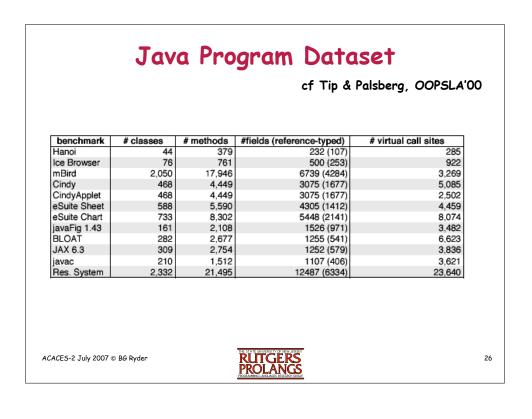


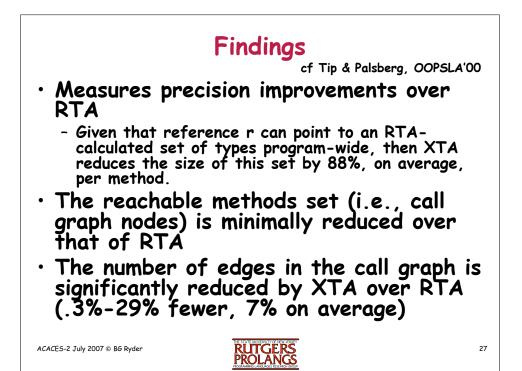


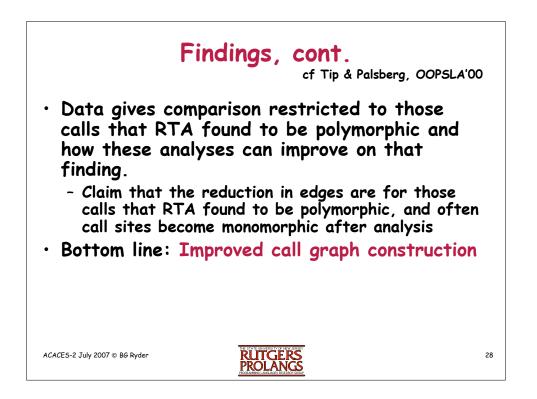




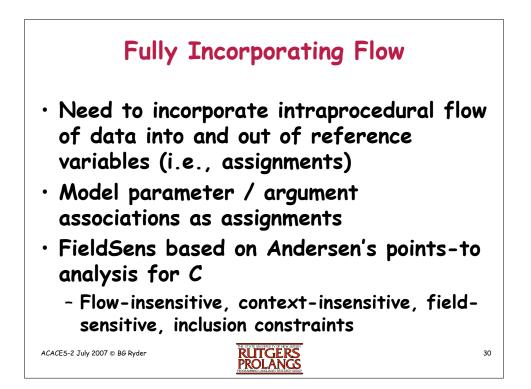


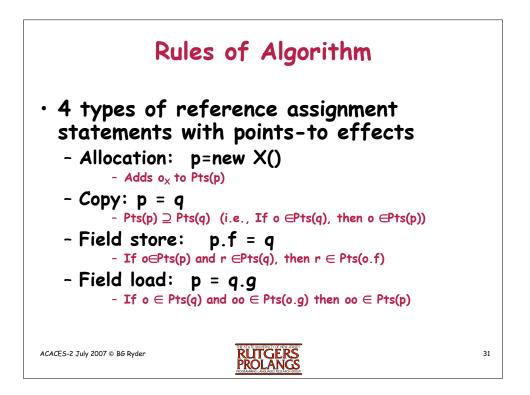


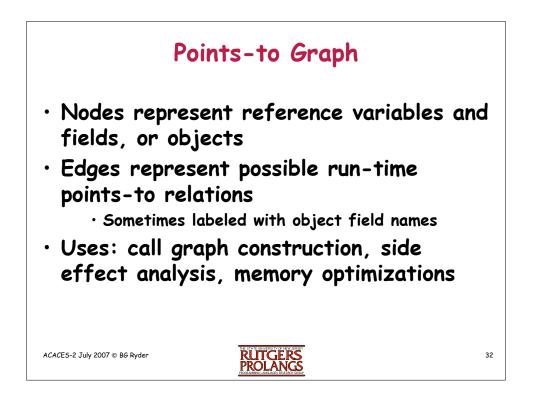


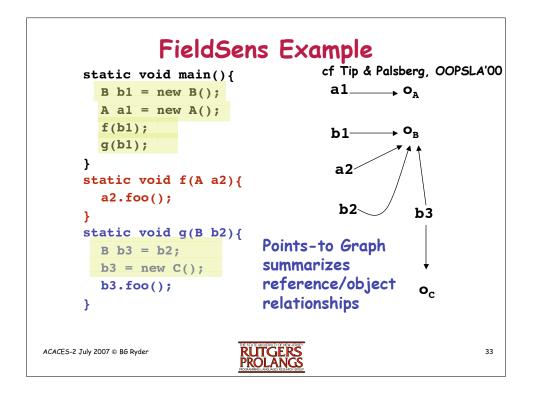


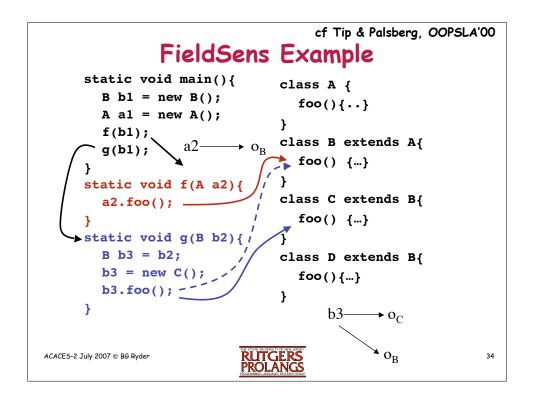
	similar			ci rip	a ruisber	g, OOPSL	
Π			_		better		
benchmark	∣ ↓	RTA	Į,	Ų	XTA		
	unieached	nono	poly	unreached	mono	poly	
Hanoi	34.0%	61.6%	4.4%	34.0%	62.7%	3.3%	
Ice Browser	4.0%	91.4%	4.7%	4.0%	91.6%	4.5%	
mBird	14.2%	73.4%	12.3%	17.4%	70.9%	11.7%	
Cindy	49.3%	45.0%	5.7%	49.4%	45.5%	5.0%	
CindyApplet	72.0%	24.6%	3.4%	72.3%	24.5%	3.2%	
eSuite Sheet	28.1%	68.4%	3.5%	28.2%	69.1%	2.8%	
eSuite Chart	13.3%	76.6%	10.1%	15.7%	76.0%	8.3%	
javaFig 1.43	9.1%	87.1%	3.9%	9.7%	87.2%	3.1%	
BLOAT	6.6%	82.4%	11.1%	7.0%	82.2%	10.8%	
JAX 6.3	18.7%	75.9%	5.4%	18.9%	76.8%	4.3%	
avac	3.0%	77.6%	19.4%	3.0%	77.7%	19.3%	
Res. System	18.1%	72.0%	9.9%	18.2%	74.0%	7.9%	
AVERAGE			7.8%			7.0%	
	I		1.0,0				

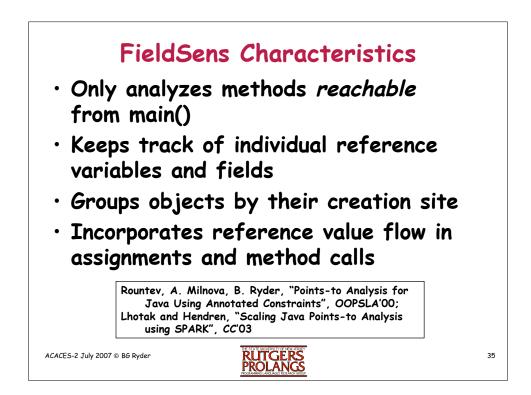


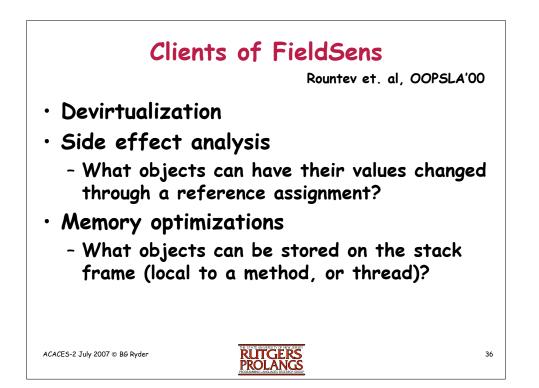




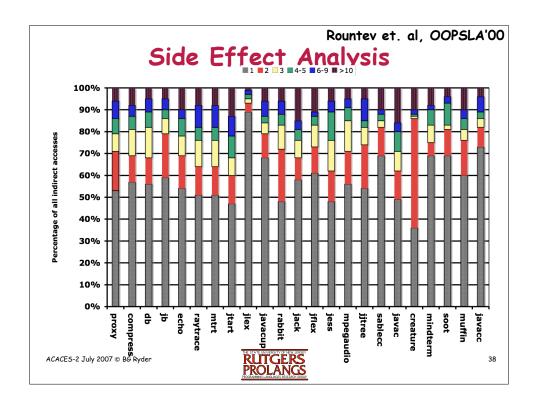


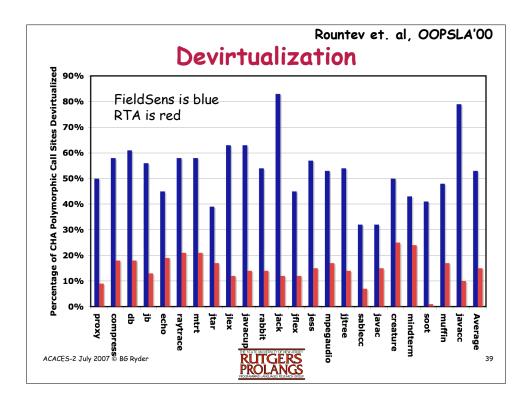


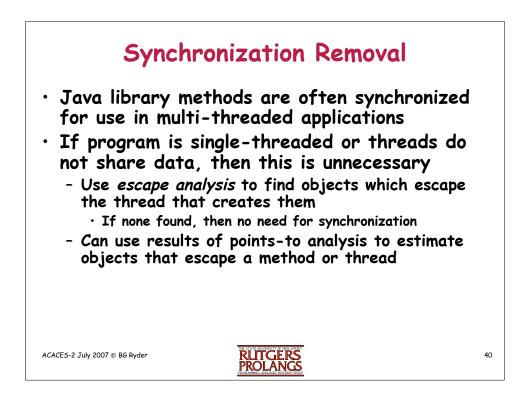


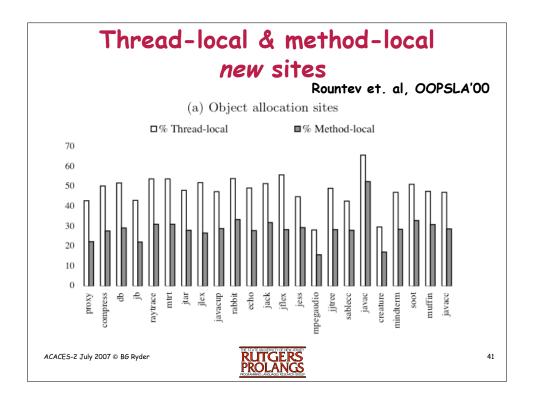


				Rounte	w e+	<b>a</b> l		SI A'OO
D		0:				ui,	0010	
Program	User Class	Size (Kb)	Class	/hole-progr Method	am Stmt			
proxy	18	56.6	565	3283	58837			
compress	22	76.7	568	3316	60010			
db	14	70.7	565	3339	60747			
ib-6.1	21	55.6	574	3393	60898			
echo	17	66.7	577	3544	62646	1		
raytrace	35	115.9	582	3451	62755	1		
mtrt	35	115.9	582	3451	62760			
jtar-1.21	64	185.2	618	3583	65112			
jlex-1.2.5	25	95.1	578	3381	65437	1		
javacup-0.10	33	127.3	581	3564	66463	1		
rabbit-2	52	157.4	615	3770	68277	1		
jack	67	191.5	613	3573	69249	1		
jflex-1.2.2	54	198.2	608	3692	71198			
jess	160	454.2	715	3973	71207	1		
mpegaudio	62	176.8	608	3531	71712			
jjtree-1.0	72	272.0	620	4078	79587	1		
sablecc-2.9	312	-532.4	864	5151	82418			
javac	182	614.7	730	4470	82947			
creature	65	259.7	626	3881	83454			
mindterm1.1.5	120	461.1	686	4420	90451			
soot-1.beta.4	677	1070.4	1214	5669	92521			
muffin-0.9.2	245	-655.2	824	5253	94030			
javacc-1.0	63	502.6	615	4198	102986			









Rountev et. al, C (b) Run-time objects							
compress	456	99.3%	39.0%				
db	154325	0.03%	0.01%				
mtrt	6457298	99.9%	85.0%				
jlex	7350	50.9%	31.6%				
jack	1340919	86.7%	77.0%				
jess	7902221	17.9%	17.9%				
mpegaudio	2025	12.4%	12.4%				
sablecc	420494	24.9%	13.7%				
javac	3738777	27.6%	21.2%				
javacc	43265	65.7%	45.8%				

