

Dynamic Binary Translation and Optimization

Erik R. Altman
Kemal Ebcioglu

IBM T.J. Watson Research Center

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Timetable for Micro-33 Tutorial on

Dynamic Binary Translation and Optimization

Wednesday, December 13, 2000

2:30 - 2:50	Kemal Ebcioglu:	Future Challenges
2:50 - 2:55	Erik Altman	DAISY Demo
2:55 - 3:20	Erik Altman:	Binary Translation Issues
3:20 - 3:35	Break	
3:35 - 5:00	Erik Altman:	DAISY, Crusoe, Dynamo
5:00 - 5:15	Break	
5:15 - 5:45	Kemal Ebcioglu:	LaTTe

Running DAISY

User Mode:

\$ daisy /bin/ls

adm/	docsearch/	lost+found/	pd@	spool/
agora/	dt/	msgs/	perf/	tmp/
consout	ifor/	ncs@	preserve/	yp/
dce/	locks/	news/	security/	

\$ dvstats -c ls .

Example DAISY Output

ls.histo:

147516 VLIW Instructions Executed over 1 run

11698 VLIW User Instructions Executed over 1 run

329454 Dynamic PPC Ops in Original Pgm w/shared libs

2.2 = $\frac{\text{PPC Path Length}}{\text{VLIW Path Length}}$

22174 Dynamic PPC Ops in Original Pgm -- User only

1.9 = $\frac{\text{PPC Path Length}}{\text{VLIW Path Length}}$