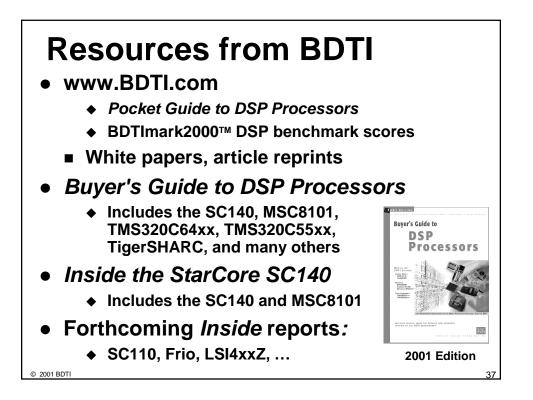


Conclusions

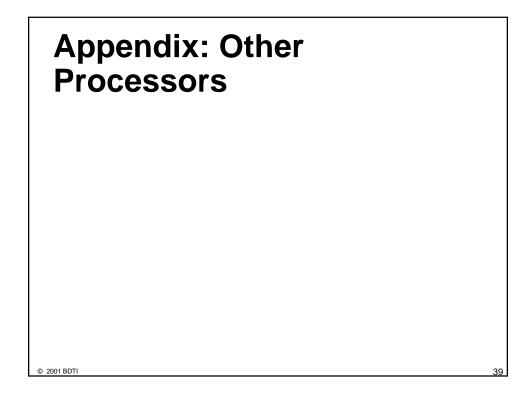
Comparing Processors

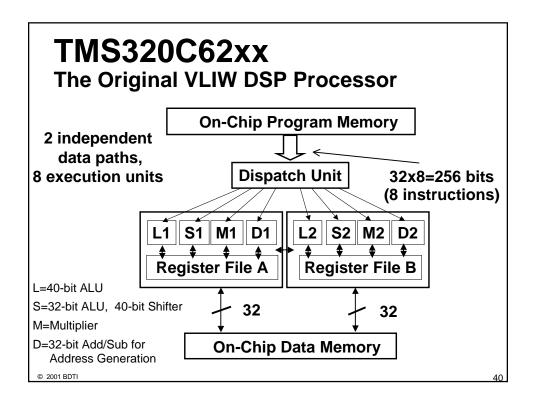
- Performance is interesting, but other factors are equally important
- Architecture is interesting, but it isn't all-important
- Compare processors the way you'd compare cars
 - Not exclusively on their top speed
 - Suitability for the task at hand
 - "Cost of ownership"
 - Time to market, ease of use, ...

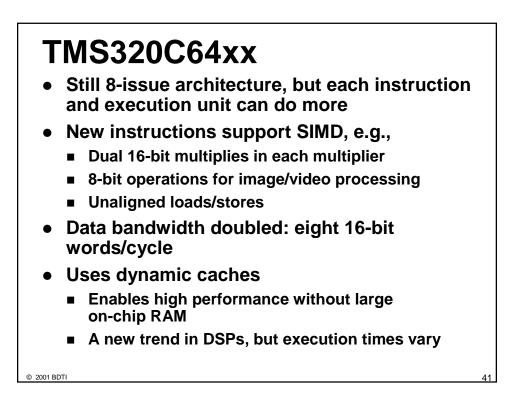
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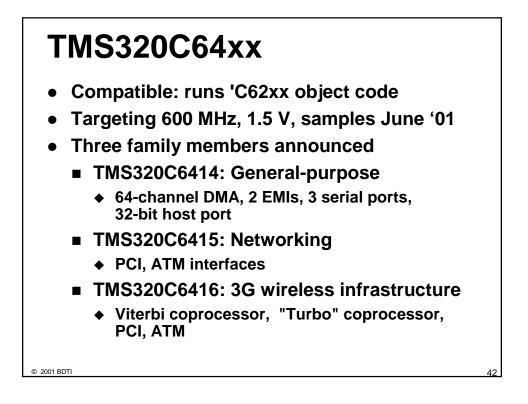


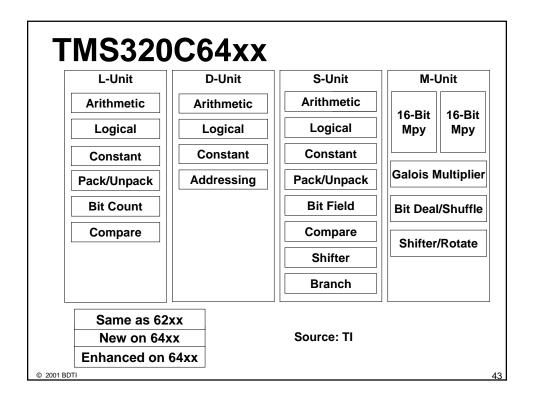




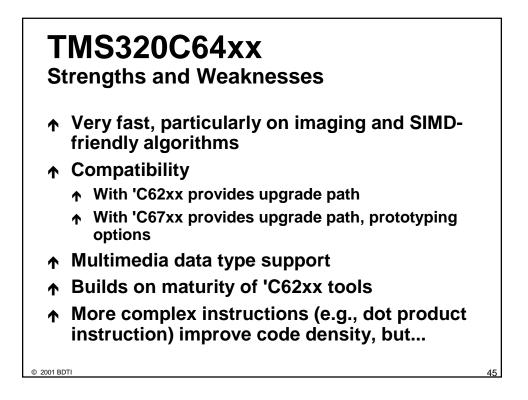


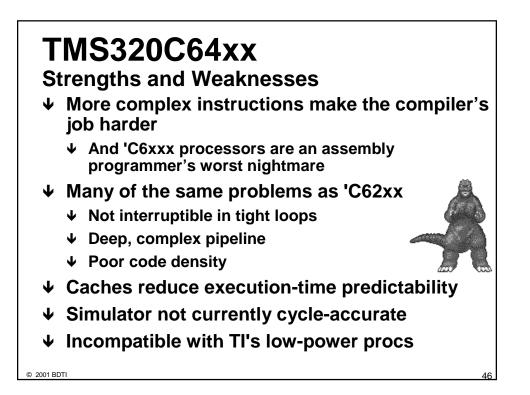


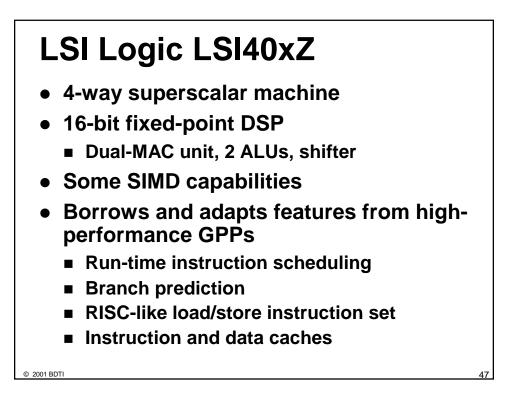




TMS Impro			•					
ʻC62x	Exec Packet 1			Exec Packet 2				
Fetch Packet 1	ins1	2	3	ins1	2	NOP	NOP	NOP
	Exec Packet 3				Exec P	acket 4		
Fetch Packet 2	ins1	2	3	4	ins1	2	NOP	NOP
<i>'C64x</i> Fetch	x Ex	ec Packe			acket 2		kec Packe	
Packet 1	ins1	2	3	ins1	2	ins1	2	3
Fetch	Packet 3 Exec Packet 4			Exec Packet 5				
	4	ins1	2	ins1	2	3	4	5







LSI40xZ

- LSI Logic is using the core for:
 - ASICs
 - ASSPs
 - General-purpose DSPs
 - Licensing
 - IBM, Broadcom, Conexant have licensed
- Emphasizing communications infrastructure applications
- At 200 MHz, a moderately highperformance DSP
 - Leading speed in 1998; less so today

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