

CAVEAT: may contain jetlag related errors - do not use this without at least sense checking it!							
You may need to model differently for your projects if your historical evidence is showing a different pattern; use this as a starter							
And get a copy of Capers Jones book "Software Engineering Best Practices" to see similar figures for different languages							
	code sizes:	125000		15000	125000		15000
		Capers Jones A	cost per LOC	our project with static test	Capers Jones B	cost per LOC	our project without static test
	COSTS						
	cost of inspections	\$ 168.750,00	\$ 1,35	\$ 20.250,00	\$ -	\$ -	\$ -
	cost of static analysis	\$ 81.250,00	\$ 0,65	\$ 9.750,00	\$ -	\$ -	\$ -
	cost of dynamic test stages	\$ 150.000,00	\$ 1,20	\$ 18.000,00	\$ 775.000,00	\$ 6,20	\$ 93.000,00
	total pre release costs	\$ 400.000,00	\$ 3,20	\$ 48.000,00	\$ 775.000,00	\$ 6,20	\$ 93.000,00
	total post release	\$ 175.000,00	\$ 1,40	\$ 21.000,00	\$ 950.000,00	\$ 7,60	\$ 114.000,00
	total cost	\$ 575.000,00	\$ 4,60	\$ 69.000,00	\$ 1.725.000,00	\$ 13,80	\$ 207.000,00
	COST BREAKDOWN						
	cost per defect	\$ 115,00			\$ 345,00		
	cost per LOC	\$ 4,60			\$ 13,80		
	cost per LOC of static test	\$ 2,00			\$ -		
	cost per LOC of dynamic test	\$ 1,20			\$ 6,20		
	TIMESCALES						
	development schedule (months)	12		1,44	16		1,92
	LIVE FAILURES	this table uses Capers Jones' figures, but history shows our defect per LOC to be about twice as bad					
	numbers of defects	5000		600	5000		600
	found by static test	4150		498	0		0
	found by dynamic test	500		60	1600		192
	found post release	350		42	1900		228
	CONCLUSIONS	so we can spend 1.5 months and 48,000 dollars before release for a total cost of 69,000 dollars, with 40-80 defects reported post live or we can spend 2 months and 93,000 dollars before release for a total cost of 207,000 dollars, with 200-500 defects reported post live					