

(314) (159) (473)
(229) (244)

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(Astin, 1993, 5)

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(2 2003)

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.(Niost,2009,5)

" (Pascarella & Terenzini,2005,602)

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.(Shulman, 2002, 40)

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.(Pace, 1982, 13)

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.(Astin, 1985, 307)"

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.(Kuh, 2001, 10) "

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(American college "

personnel Association, 1996, 118)

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. (Kuh *et al.* , 2005, 9)"



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:Astin's Involvement Theory -1
(Astin,1999,519)

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(Astin, 1985, 133)

(Astin, 1999, 518)

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(Astin, 1999 , 519) "

(Astin,1999)

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(Astin, 1993, 5)

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:Tinto's theory of integration

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(Milem &Berger, 1997, 387)

.(Tinto, 1993, 71)

(Kuh & Love, 2000, 196)

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(Kuh & Love , 2000 , 197)

.(Tinto, 2005, 223-224)

:Pace's Quality of Effort Theory

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(Pace, 1984, 7)

(Pace,1982,2)

(Pace, 1984, 5)

(Pace, 1982, 5-6)

(Pace,1982,3-4)

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(Pascarella & Terenzini, 1991, 51)

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.(Pace, 1982, 98)

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		159	33.6
		314	66.4
		473	100.0
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(Kuh & Pace, 1998)

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0.65	0.65	0.67	0.78	0.68	0.67			
0.65	0.64	0.62	0.66	0.67				
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5		.40	2.85	473	
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8		.48	2.19	473	
2		.39	2.89	473	
4		.46	2.86	473	
3		.30	2.87	473	
7		.53	2.63	473	
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		22.0	4.4	.411	471	.681	
		22.2	4.4				
		22.8	2.9	.248	471	.805	
		22.7	3.3				
		22.7	2.6	2.705	471	.007	
		23.5	3.1				
		12.9	1.6	1.728	471	.085	
		13.2	1.8				
		17.2	2.0	.888	471	.375	
		17.4	2.5				
		11.4	1.7	.481	471	.631	
		11.5	1.9				
		17.2	1.7	.016	471	.988	
		17.2	1.8				
		8.1	1.6	2.885	471	.004	
		7.7	1.5				
		134.6	10.5	.846	471	.398	
		135.6	13.3				

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		244	22.2	4.3	.513	471	.608	
		229	22.0	4.5				
		244	22.7	3.2	.114	471	.909	
		229	22.8	3.2				
		244	23.1	2.9	1.057	471	.291	
		229	23.4	2.9				
		244	12.8	1.7	3.607	471	.000	
		229	13.4	1.8				
		244	17.4	2.3	.439	471	.661	
		229	17.3	2.4				
		244	11.3	1.8	1.350	471	.178	

		229	11.5	1.8				
		244	17.2	1.8	.538	471	.591	
		229	17.1	1.8				
		244	7.8	1.6	.320	471	.749	
		229	7.9	1.6				
		244	134.9	12.2	.694	471	.488	
		229	135.7	12.7				

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