

Morning Email: TERM TEDS & Dirty TEDS

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Rotate Me

F.I. Futures and Cash			
	Last Decimal	Last 32	Last Yield*
ZT	102.2188	102.070	4.731
ZF	105.5313	105.170	4.561
ZN	108.1406	108.045	4.567
Blank			
2y	99.803	99.2570	4.701
5y	99.212	99.0678	4.573
10y	100.045	100.0144	4.603

*Futures use CTD for Last Yield

**Mduration = Modified Macaulay Duration

Eurodollars (ED)						
	Last Price	Last Imp Yield	Days til Expr.	Fraction of year	Month	
F.EDAH07	94.700	5.300	83	0.227	MAR	White Pack
F.EDAM07	94.845	5.155	174	0.476	JUN	
F.EDAU07	95.035	4.965	265	0.725	SEP	
F.EDAZ07	95.185	4.815	356	0.975	DEC	
F.EDAH08	95.245	4.755	447	1.224	MAR	Red Pack
F.EDAM08	95.260	4.740	538	1.473	JUN	
F.EDAU08	95.270	4.730	629	1.723	SEP	
F.EDAZ08	95.255	4.745	720	1.972	DEC	
F.EDAH09	95.235	4.765	811	2.221	MAR	Green Pack
F.EDAM09	95.205	4.795	902	2.471	JUN	
F.EDAU09	95.165	4.835	993	2.720	SEP	
F.EDAZ09	95.110	4.890	1084	2.969	DEC	

How many ways can you hedge the TED? Let me count...there's lots and lots, like:

- 1 Regression
- 2 Engineered
- 3 Strip with and without Stubs
- 4 Convexity Bias
- 5 Weighted
- 6 Unweighted
and more...

Most of us are interested in the *unweighted hedge* which is simply a curve trade hedge. There are so many ways to hedge the TED trade that I can't possibly list them all.

If you email me and ask for a specific hedge, I'll get it to you.

igoulding@ghco.com

Eurodollar Color Codes for Individual Year Strips:

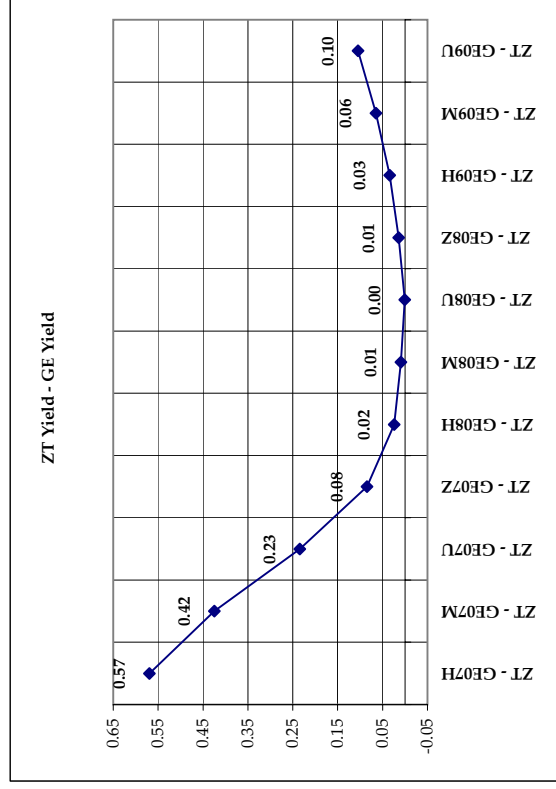
Color	Year	Contracts
White	One	1 – 4
Red	Two	5 – 8
Green	Three	9 – 12
Blue	Four	13 – 16
Gold	Five	17 – 20
Purple	Six	21 – 24
Orange	Seven	25 – 28
Pink	Eight	29 – 32
Silver	Nine	33 – 36
Copper	Ten	37 – 40

Dirty TED: ZT vs Eurodollar Contracts

	Spread Price	Spread Yield	Spread Name
F.EDAH07	7.519	0.57	ZT - GE07H
F.EDAM07	7.374	0.42	ZT - GE07M
F.EDAU07	7.184	0.23	ZT - GE07U
F.EDAZ07	7.034	0.08	ZT - GE07Z
F.EDAH08	6.974	0.02	ZT - GE08H
F.EDAM08	6.959	0.01	ZT - GE08M
F.EDAU08	6.949	0.00	ZT - GE08U
F.EDAZ08	6.964	0.01	ZT - GE08Z
F.EDAH09	6.984	0.03	ZT - GE09H
F.EDAM09	7.014	0.06	ZT - GE09M
F.EDAU09	7.054	0.10	ZT - GE09U
F.EDAZ09	7.109	0.16	ZT - GE09Z

Price = Outright Decimal Price - Euro Contract Price

Yield = ABS(Proxy Yield - Implied Euro Contract yield)



GE Duration as Fraction of year	ZT		Spread	
	Duration	Duration	Duration	Duration
F.EDAH07	0.227	1.87	1.65	ZT - GE07H
F.EDAM07	0.476	1.87	1.40	ZT - GE07M
F.EDAU07	0.725	1.87	1.15	ZT - GE07U
F.EDAZ07	0.975	1.87	0.90	ZT - GE07Z
F.EDAH08	1.224	1.87	0.65	ZT - GE08H
F.EDAM08	1.473	1.87	0.40	ZT - GE08M
F.EDAU08	1.723	1.87	0.15	ZT - GE08U
F.EDAZ08	1.972	1.87	(0.10)	ZT - GE08Z
F.EDAH09	2.221	1.87	(0.35)	ZT - GE09H
F.EDAM09	2.471	1.87	(0.60)	ZT - GE09M
F.EDAU09	2.720	1.87	(0.85)	ZT - GE09U
F.EDAZ09	2.969	1.87	(1.10)	ZT - GE09Z

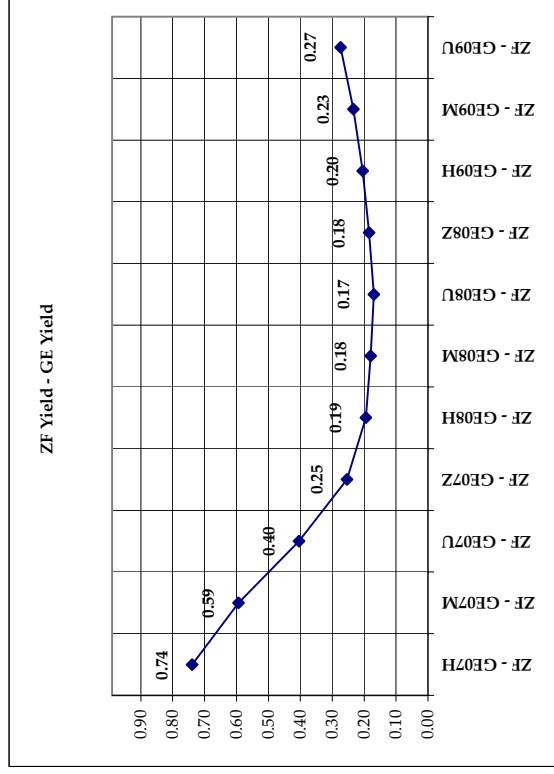
The farther away from 0 the spread duration is the riskier the trade.

Dirty TED: ZF vs Eurodollar Contracts

	ZF		
	Spread Price	Spread Yield	Spread Name
F.EDAH07	10.83	0.74	ZF - GE07H
F.EDAM07	10.69	0.59	ZF - GE07M
F.EDAU07	10.50	0.40	ZF - GE07U
F.EDAZ07	10.35	0.25	ZF - GE07Z
F.EDAH08	10.29	0.19	ZF - GE08H
F.EDAM08	10.27	0.18	ZF - GE08M
F.EDAU08	10.26	0.17	ZF - GE08U
F.EDAZ08	10.28	0.18	ZF - GE08Z
F.EDAH09	10.30	0.20	ZF - GE09H
F.EDAM09	10.33	0.23	ZF - GE09M
F.EDAU09	10.37	0.27	ZF - GE09U
F.EDAZ09	10.42	0.33	ZF - GE09Z

Price = Outright Decimal Price - Euro Contract Price

Yield = ABS(Proxy Yield - Implied Euro Contract yield)



GE Duration as Fraction of year	ZF		Spread Duration
	Duration	Duration	
F.EDAH07	0.227	3.93	3.71
F.EDAM07	0.476	3.93	3.46
F.EDAU07	0.725	3.93	3.21
F.EDAZ07	0.975	3.93	2.96
F.EDAH08	1.224	3.93	2.71
F.EDAM08	1.473	3.93	2.46
F.EDAU08	1.723	3.93	2.21
F.EDAZ08	1.972	3.93	1.96
F.EDAH09	2.221	3.93	1.71
F.EDAM09	2.471	3.93	1.46
F.EDAU09	2.720	3.93	1.21
F.EDAZ09	2.969	3.93	0.96

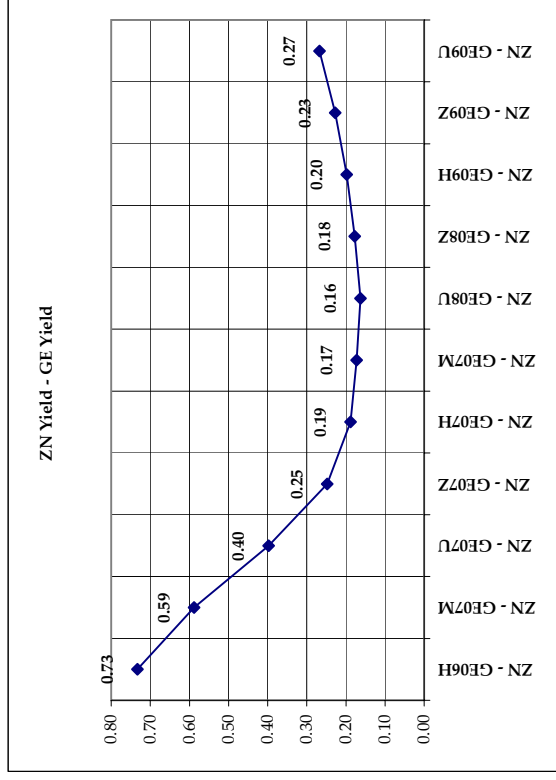
The farther away from 0 the spread duration is the riskier the trade.

Dirty TED: ZN vs Eurodollar Contracts

	Spread Price	ZN Spread Yield	Spread Name
F.EDAH07	13.44	0.73	ZN - GE06H
F.EDAM07	13.30	0.59	ZN - GE07M
F.EDAU07	13.11	0.40	ZN - GE07U
F.EDAZ07	12.96	0.25	ZN - GE07Z
F.EDA+H08	12.90	0.19	ZN - GE07H
F.EDAM08	12.88	0.17	ZN - GE07M
F.EDAU08	12.87	0.16	ZN - GE08U
F.EDAZ08	12.89	0.18	ZN - GE08Z
F.EDA+H09	12.91	0.20	ZN - GE09H
F.EDAM09	12.94	0.23	ZN - GE09M
F.EDAU09	12.98	0.27	ZN - GE09U
F.EDAZ09	13.03	0.32	ZN - GE09Z

Price = Outright Decimal Price - Euro Contract Price

Yield = ABS(Proxy Yield - Implied Euro Contract yield)



GE Duration as Fraction of year	ZN Duration	Spread Duration
F.EDAH07	0.227	5.64
F.EDAM07	0.476	5.39
F.EDAU07	0.725	5.14
F.EDAZ07	0.975	4.89
F.EDA+H08	1.224	4.64
F.EDAM08	1.473	4.39
F.EDAU08	1.723	4.14
F.EDAZ08	1.972	3.90
F.EDA+H09	2.221	3.65
F.EDAM09	2.471	3.40
F.EDAU09	2.720	3.15
F.EDAZ09	2.969	2.90

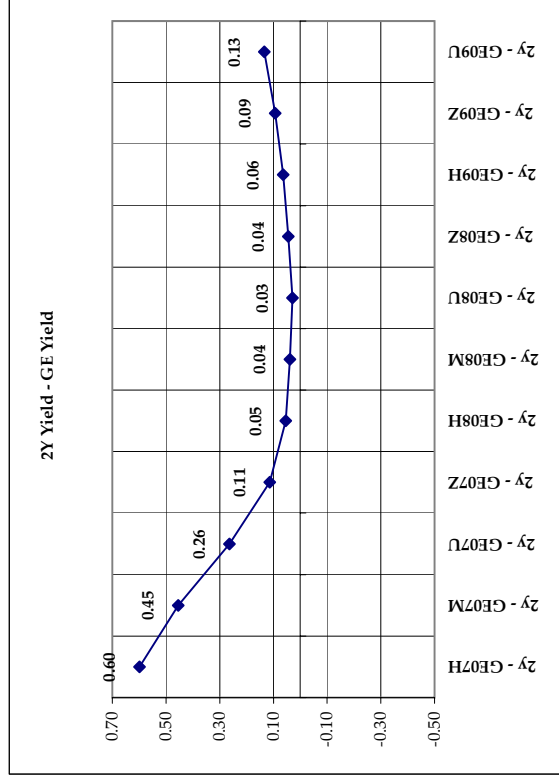
The farther away from 0 the spread duration is the riskier the trade.

TERM TED: 2y vs Eurodollar Contracts

	Spread Price	2y Yield	Spread Yield	Spread Name
F.EDAH07	5.10	0.60	2y - GE07H	
F.EDAM07	4.96	0.45	2y - GE07M	
F.EDAU07	4.77	0.26	2y - GE07U	
F.EDAZ07	4.62	0.11	2y - GE07Z	
F.EDAH08	4.56	0.05	2y - GE08H	
F.EDAM08	4.54	0.04	2y - GE08M	
F.EDAU08	4.53	0.03	2y - GE08U	
F.EDAZ08	4.55	0.04	2y - GE08Z	
F.EDAH09	4.57	0.06	2y - GE09H	
F.EDAM09	4.60	0.09	2y - GE09Z	
F.EDAU09	4.64	0.13	2y - GE09U	
F.EDAZ09	4.69	0.19	2y - GE09U	

Price = Outright Decimal Price - Euro Contract Price

Yield = ABS(Cash Yield - Implied Euro Contract yield)



GE Duration as Fraction of year	2Y Duration	Spread Duration	
F.EDAH07	0.227	1.59	2y - GE07H
F.EDAM07	0.476	1.34	2y - GE07M
F.EDAU07	0.725	1.09	2y - GE07U
F.EDAZ07	0.975	0.84	2y - GE07Z
F.EDAH08	1.224	0.59	2y - GE08H
F.EDAM08	1.473	0.34	2y - GE08M
F.EDAU08	1.723	0.09	2y - GE08U
F.EDAZ08	1.972	(0.16)	2y - GE08Z
F.EDAH09	2.221	(0.41)	2y - GE09H
F.EDAM09	2.471	(0.65)	2y - GE09Z
F.EDAU09	2.720	(0.90)	2y - GE09U
F.EDAZ09	2.969	(1.15)	2y - GE09U

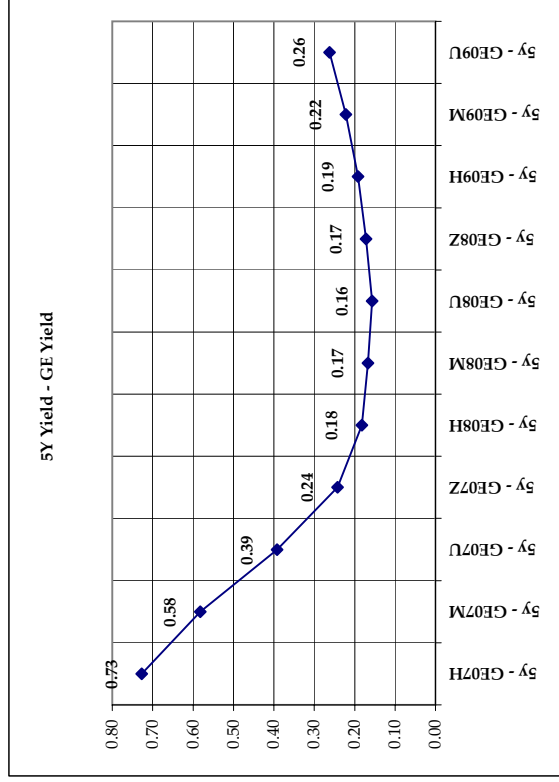
The farther away from 0 the spread duration is the riskier the trade.

TERM TED: 5y vs Eurodollar Contracts

	Spread Price	5y Spread Yield	Spread Name
F.EDAH07	4.51	0.73	5y - GE07H
F.EDAM07	4.37	0.58	5y - GE07M
F.EDAU07	4.18	0.39	5y - GE07U
F.EDAZ07	4.03	0.24	5y - GE07Z
F.EDAH08	3.97	0.18	5y - GE08H
F.EDAM08	3.95	0.17	5y - GE08M
F.EDAU08	3.94	0.16	5y - GE08U
F.EDAZ08	3.96	0.17	5y - GE08Z
F.EDAH09	3.98	0.19	5y - GE09H
F.EDAM09	4.01	0.22	5y - GE09M
F.EDAU09	4.05	0.26	5y - GE09U
F.EDAZ09	4.10	0.32	5y - GE09Z

Price = Outright Decimal Price - Euro Contract Price

Yield = ABS(Cash Yield - Implied Euro Contract yield)



GE Duration as Fraction of year	5Y Duration	Spread Duration
F.EDAH07	0.227	3.71
F.EDAM07	0.476	3.46
F.EDAU07	0.725	3.21
F.EDAZ07	0.975	2.96
F.EDAH08	1.224	2.71
F.EDAM08	1.473	2.46
F.EDAU08	1.723	2.21
F.EDAZ08	1.972	1.96
F.EDAH09	2.221	1.71
F.EDAM09	2.471	1.46
F.EDAU09	2.720	1.21
F.EDAZ09	2.969	0.96

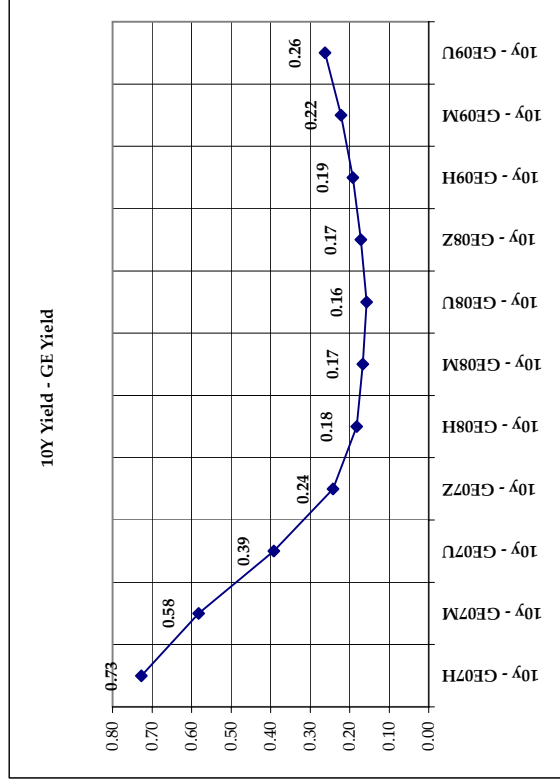
The farther away from 0 the spread duration is the riskier the trade.

TERM TED: 10y vs Eurodollar Contracts

		10y	
Spread	Spread	Spread	Spread
Price	Yield	Yield	Name
F.EDAH07	4.51	0.73	10y - GE07H
F.EDAM07	4.37	0.58	10y - GE07M
F.EDAU07	4.18	0.39	10y - GE07U
F.EDAZ07	4.03	0.24	10y - GE07Z
F.EDA+08	3.97	0.18	10y - GE08H
F.EDAM08	3.95	0.17	10y - GE08M
F.EDAU08	3.94	0.16	10y - GE08U
F.EDAZ08	3.96	0.17	10y - GE08Z
F.EDA+09	3.98	0.19	10y - GE09H
F.EDAM09	4.01	0.22	10y - GE09M
F.EDAU09	4.05	0.26	10y - GE09U
F.EDAZ09	4.10	0.32	10y - GE09Z

Price = Outright Decimal Price - Euro Contract Price

Yield = ABS(Cash Yield - Implied Euro Contract yield)



GE Duration as		10Y	
Fraction	Duration	Duration	Spread
of year	of year	of year	Duration
F.EDAH07	0.227	7.82	7.60
F.EDAM07	0.476	7.82	7.35
F.EDAU07	0.725	7.82	7.10
F.EDAZ07	0.975	7.82	6.85
F.EDA+08	1.224	7.82	6.60
F.EDAM08	1.473	7.82	6.35
F.EDAU08	1.723	7.82	6.10
F.EDAZ08	1.972	7.82	5.85
F.EDA+09	2.221	7.82	5.60
F.EDAM09	2.471	7.82	5.35
F.EDAU09	2.720	7.82	5.10
F.EDAZ09	2.969	7.82	4.85

The farther away from 0 the spread duration is the riskier the trade.