

Morning Email: TERM TEDS & Dirty TEDS

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Rotate Me

		F.I. Futures and Cash			
	Last Decimal	Last 32	Last Yield*	**MDuration	
ZT	101.7813	101.250	4.928	1.76	
ZF	104.5938	104.190	4.798	3.80	
ZN	106.8281	106.265	4.808	5.72	
Blank					
2y	99.891	99.2850	4.930	1.85	
5y	99.766	99.2450	4.802	4.36	
10y	98.563	98.1800	4.808	7.73	

*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	94.635	5.365	34	0.092	MAR	} White Pack	
F.EDAM07	94.640	5.360	125	0.342	JUN		
F.EDAU07	94.710	5.290	216	0.591	SEP		
F.EDAZ07	94.820	5.180	307	0.840	DEC	} Red Pack	
F.EDAH08	94.900	5.100	398	1.090	MAR		
F.EDAM08	94.955	5.045	489	1.339	JUN		
F.EDAU08	94.990	5.010	580	1.588	SEP		
F.EDAZ08	95.005	4.995	671	1.838	DEC	} Green Pack	
F.EDAH09	95.000	5.000	762	2.087	MAR		
F.EDAM09	94.985	5.015	853	2.336	JUN		
F.EDAU09	94.960	5.040	944	2.586	SEP		
F.EDAZ09	94.930	5.070	1035	2.835	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.

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Eurodollar Color Codes for Individual Year Strips:

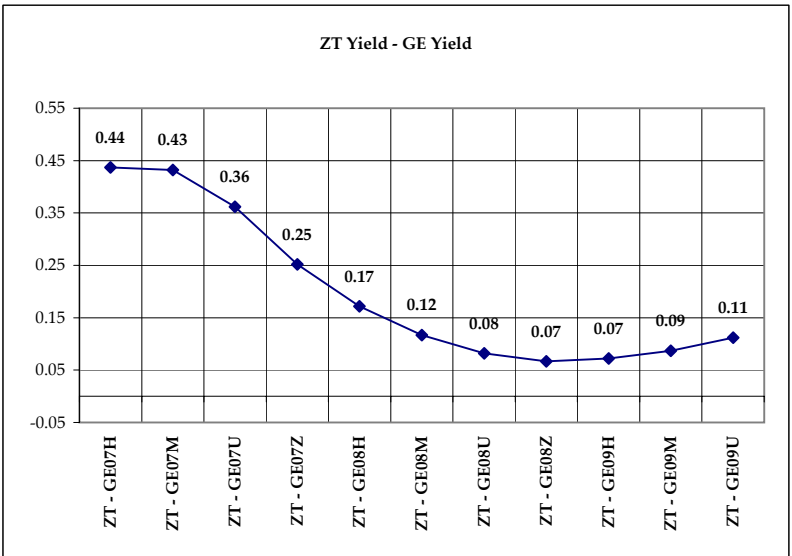
Color	Year	Contracts
White	One	1 – 4
Red	Two	5 – 8
Green	Three	9 – 12
Blue	Four	13 – 16
Gold	Five	17 – 20
Purple	Six	21 – 24
Orange	Seven	25 – 28
Pink	Eight	29 – 32
Silver	Nine	33 – 36
Copper	Ten	37 – 40

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Dirty TED: ZT vs Eurodollar Contracts

ZT			
	Spread Price	Spread Yield	Spread Name
F.EDAH07	7.146	0.44	ZT - GE07H
F.EDAM07	7.141	0.43	ZT - GE07M
F.EDAU07	7.071	0.36	ZT - GE07U
F.EDAZ07	6.961	0.25	ZT - GE07Z
F.EDAH08	6.881	0.17	ZT - GE08H
F.EDAM08	6.826	0.12	ZT - GE08M
F.EDAU08	6.791	0.08	ZT - GE08U
F.EDAZ08	6.776	0.07	ZT - GE08Z
F.EDAH09	6.781	0.07	ZT - GE09H
F.EDAM09	6.796	0.09	ZT - GE09M
F.EDAU09	6.821	0.11	ZT - GE09U
F.EDAZ09	6.851	0.14	ZT - GE09Z

Price = Outright Decimal Price - Euro Contract Price
 Yield = ABS(Proxy Yield - Implied Euro Contract yield)



GE Duration as Fraction of year

	ZT Duration	Spread Duration	
F.EDAH07	0.092	1.76	ZT - GE07H
F.EDAM07	0.342	1.76	ZT - GE07M
F.EDAU07	0.591	1.76	ZT - GE07U
F.EDAZ07	0.840	1.76	ZT - GE07Z
F.EDAH08	1.090	1.76	ZT - GE08H
F.EDAM08	1.339	1.76	ZT - GE08M
F.EDAU08	1.588	1.76	ZT - GE08U
F.EDAZ08	1.838	1.76	ZT - GE08Z
F.EDAH09	2.087	1.76	ZT - GE09H
F.EDAM09	2.336	1.76	ZT - GE09M
F.EDAU09	2.586	1.76	ZT - GE09U
F.EDAZ09	2.835	1.76	ZT - GE09Z

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

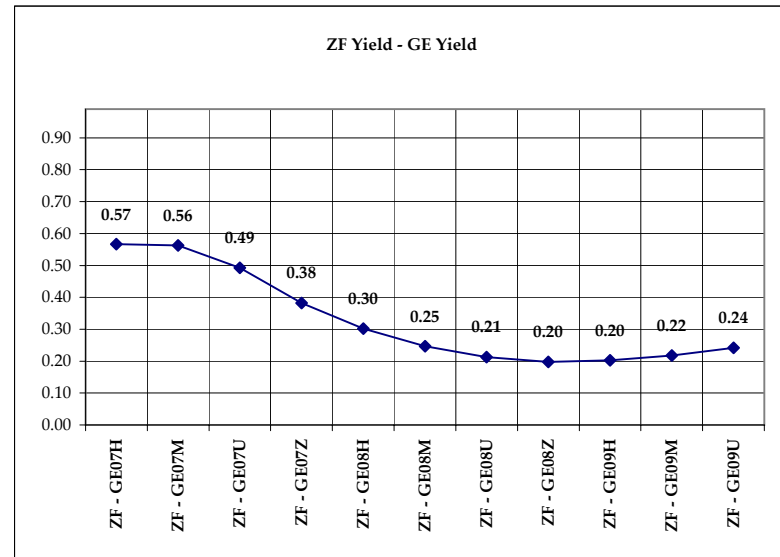
Dirty TED: ZF vs Eurodollar Contracts

ZF			
	Spread Price	Spread Yield	Spread Name
F.EDAH07	9.96	0.57	ZF - GE07H
F.EDAM07	9.95	0.56	ZF - GE07M
F.EDAU07	9.88	0.49	ZF - GE07U
F.EDAZ07	9.77	0.38	ZF - GE07Z
F.EDAH08	9.69	0.30	ZF - GE08H
F.EDAM08	9.64	0.25	ZF - GE08M
F.EDAU08	9.60	0.21	ZF - GE08U
F.EDAZ08	9.59	0.20	ZF - GE08Z
F.EDAH09	9.59	0.20	ZF - GE09H
F.EDAM09	9.61	0.22	ZF - GE09M
F.EDAU09	9.63	0.24	ZF - GE09U
F.EDAZ09	9.66	0.27	ZF - GE09U

Price = Outright Decimal Price - Euro Contract Price
 Yield = ABS(Proxy Yield - Implied Euro Contract yield)

	GE Duration as Fraction of year	ZF Duration	Spread Duration	
F.EDAH07	0.092	3.80	3.70	ZF - GE07H
F.EDAM07	0.342	3.80	3.45	ZF - GE07M
F.EDAU07	0.591	3.80	3.20	ZF - GE07U
F.EDAZ07	0.840	3.80	2.96	ZF - GE07Z
F.EDAH08	1.090	3.80	2.71	ZF - GE08H
F.EDAM08	1.339	3.80	2.46	ZF - GE08M
F.EDAU08	1.588	3.80	2.21	ZF - GE08U
F.EDAZ08	1.838	3.80	1.96	ZF - GE08Z
F.EDAH09	2.087	3.80	1.71	ZF - GE09H
F.EDAM09	2.336	3.80	1.46	ZF - GE09M
F.EDAU09	2.586	3.80	1.21	ZF - GE09U
F.EDAZ09	2.835	3.80	0.96	ZF - GE09U

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



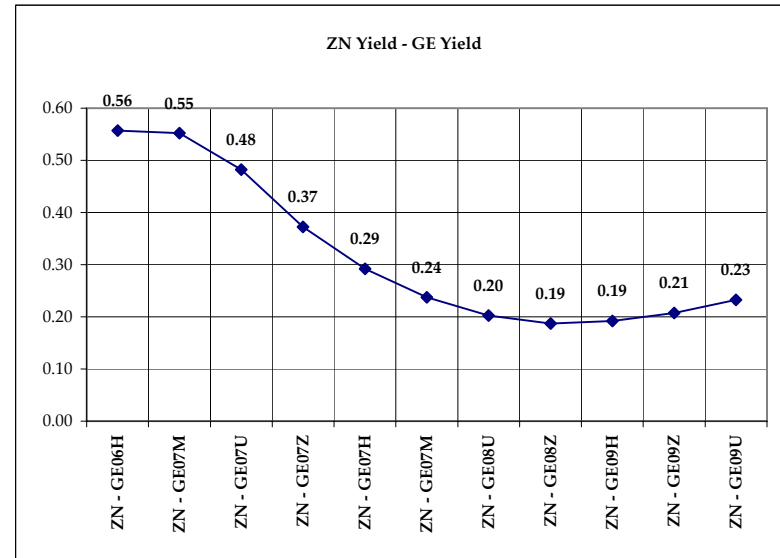
Dirty TED: ZN vs Eurodollar Contracts

ZN			
	Spread Price	Spread Yield	Spread Name
F.EDAH07	12.19	0.56	ZN - GE06H
F.EDAM07	12.19	0.55	ZN - GE07M
F.EDAU07	12.12	0.48	ZN - GE07U
F.EDAZ07	12.01	0.37	ZN - GE07Z
F.EDAH08	11.93	0.29	ZN - GE07H
F.EDAM08	11.87	0.24	ZN - GE07M
F.EDAU08	11.84	0.20	ZN - GE08U
F.EDAZ08	11.82	0.19	ZN - GE08Z
F.EDAH09	11.83	0.19	ZN - GE09H
F.EDAM09	11.84	0.21	ZN - GE09Z
F.EDAU09	11.87	0.23	ZN - GE09U
F.EDAZ09	11.90	0.26	ZN - GE09U

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	0.092	5.72	5.63	ZN - GE06H
F.EDAM07	0.342	5.72	5.38	ZN - GE07M
F.EDAU07	0.591	5.72	5.13	ZN - GE07U
F.EDAZ07	0.840	5.72	4.88	ZN - GE07Z
F.EDAH08	1.090	5.72	4.63	ZN - GE07H
F.EDAM08	1.339	5.72	4.38	ZN - GE07M
F.EDAU08	1.588	5.72	4.13	ZN - GE08U
F.EDAZ08	1.838	5.72	3.88	ZN - GE08Z
F.EDAH09	2.087	5.72	3.63	ZN - GE09H
F.EDAM09	2.336	5.72	3.38	ZN - GE09Z
F.EDAU09	2.586	5.72	3.14	ZN - GE09U
F.EDAZ09	2.835	5.72	2.89	ZN - GE09U

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



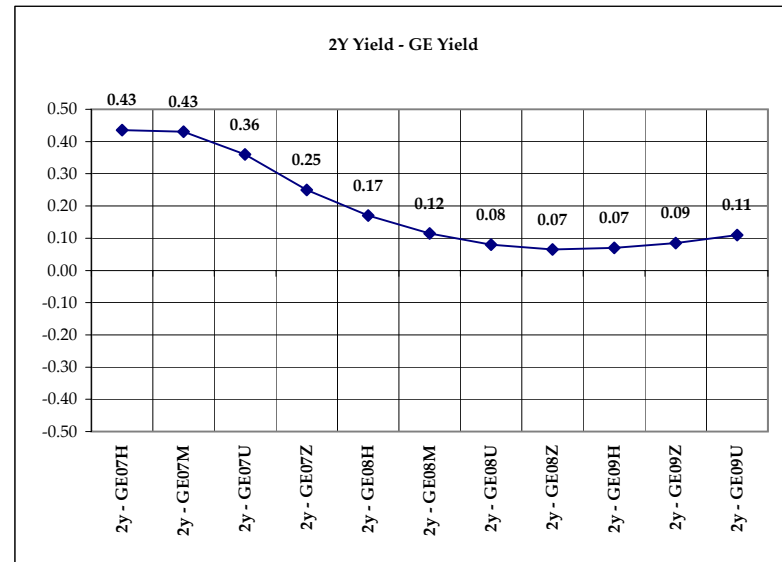
TERM TED: 2y vs Eurodollar Contracts

	2y		
	Spread Price	Spread Yield	Spread Name
F.EDAH07	5.26	0.43	2y - GE07H
F.EDAM07	5.25	0.43	2y - GE07M
F.EDAU07	5.18	0.36	2y - GE07U
F.EDAZ07	5.07	0.25	2y - GE07Z
F.EDAH08	4.99	0.17	2y - GE08H
F.EDAM08	4.94	0.12	2y - GE08M
F.EDAU08	4.90	0.08	2y - GE08U
F.EDAZ08	4.89	0.07	2y - GE08Z
F.EDAH09	4.89	0.07	2y - GE09H
F.EDAM09	4.91	0.09	2y - GE09Z
F.EDAU09	4.93	0.11	2y - GE09U
F.EDAZ09	4.96	0.14	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	0.092	1.85	1.75	2y - GE07H
F.EDAM07	0.342	1.85	1.50	2y - GE07M
F.EDAU07	0.591	1.85	1.25	2y - GE07U
F.EDAZ07	0.840	1.85	1.01	2y - GE07Z
F.EDAH08	1.090	1.85	0.76	2y - GE08H
F.EDAM08	1.339	1.85	0.51	2y - GE08M
F.EDAU08	1.588	1.85	0.26	2y - GE08U
F.EDAZ08	1.838	1.85	0.01	2y - GE08Z
F.EDAH09	2.087	1.85	(0.24)	2y - GE09H
F.EDAM09	2.336	1.85	(0.49)	2y - GE09Z
F.EDAU09	2.586	1.85	(0.74)	2y - GE09U
F.EDAZ09	2.835	1.85	(0.99)	2y - GE09U

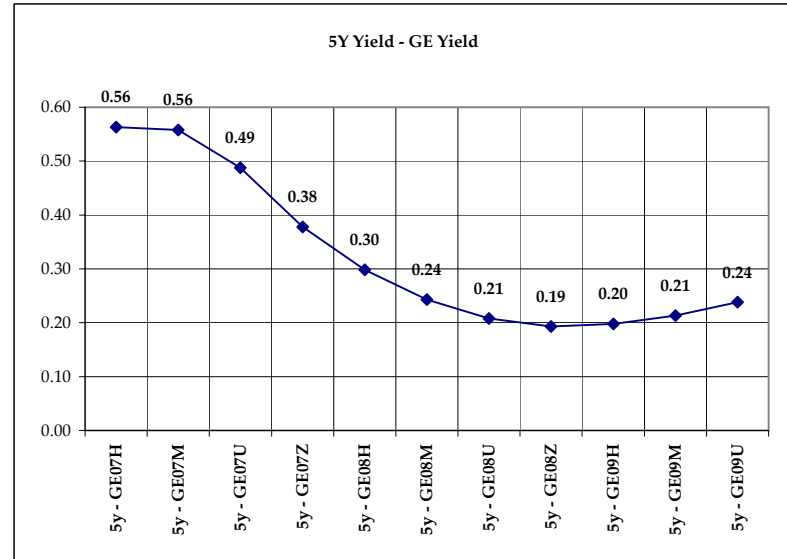
The farther away from 0 the spread duration is the riskier the trade.



TERM TED: 5y vs Eurodollar Contracts

5y			
	Spread Price	Spread Yield	Spread Name
F.EDAH07	5.13	0.56	5y - GE07H
F.EDAM07	5.13	0.56	5y - GE07M
F.EDAU07	5.06	0.49	5y - GE07U
F.EDAZ07	4.95	0.38	5y - GE07Z
F.EDAH08	4.87	0.30	5y - GE08H
F.EDAM08	4.81	0.24	5y - GE08M
F.EDAU08	4.78	0.21	5y - GE08U
F.EDAZ08	4.76	0.19	5y - GE08Z
F.EDAH09	4.77	0.20	5y - GE09H
F.EDAM09	4.78	0.21	5y - GE09M
F.EDAU09	4.81	0.24	5y - GE09U
F.EDAZ09	4.84	0.27	5y - GE09U

Price = Outright Decimal Price - Euro Contract Price
 Yield = ABS(Cash Yield - Implied Euro Contract yield)



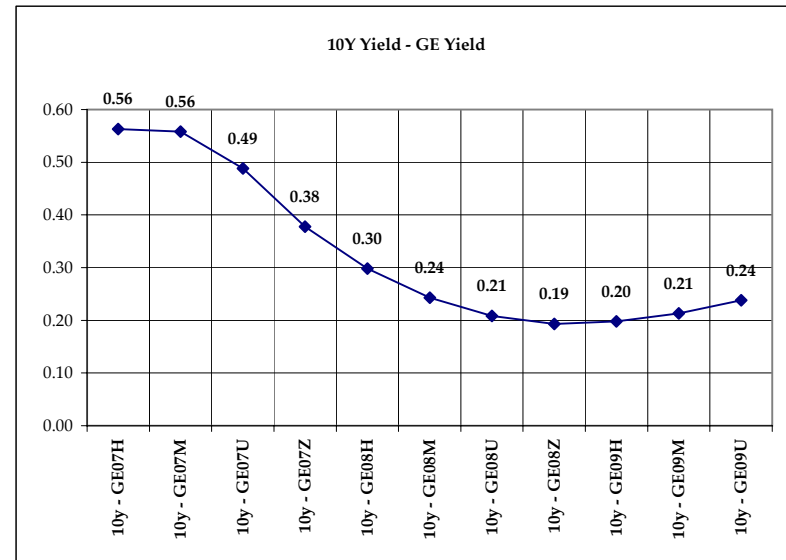
	GE Duration as Fraction of year	5Y Duration	Spread Duration	
F.EDAH07	0.092	4.36	4.27	5y - GE07H
F.EDAM07	0.342	4.36	4.02	5y - GE07M
F.EDAU07	0.591	4.36	3.77	5y - GE07U
F.EDAZ07	0.840	4.36	3.52	5y - GE07Z
F.EDAH08	1.090	4.36	3.28	5y - GE08H
F.EDAM08	1.339	4.36	3.03	5y - GE08M
F.EDAU08	1.588	4.36	2.78	5y - GE08U
F.EDAZ08	1.838	4.36	2.53	5y - GE08Z
F.EDAH09	2.087	4.36	2.28	5y - GE09H
F.EDAM09	2.336	4.36	2.03	5y - GE09M
F.EDAU09	2.586	4.36	1.78	5y - GE09U
F.EDAZ09	2.835	4.36	1.53	5y - GE09U

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

TERM TED: 10y vs Eurodollar Contracts

	10y		
	Spread Price	Spread Yield	Spread Name
F.EDAH07	5.13	0.56	10y - GE07H
F.EDAM07	5.13	0.56	10y - GE07M
F.EDAU07	5.06	0.49	10y - GE07U
F.EDAZ07	4.95	0.38	10y - GE07Z
F.EDAH08	4.87	0.30	10y - GE08H
F.EDAM08	4.81	0.24	10y - GE08M
F.EDAU08	4.78	0.21	10y - GE08U
F.EDAZ08	4.76	0.19	10y - GE08Z
F.EDAH09	4.77	0.20	10y - GE09H
F.EDAM09	4.78	0.21	10y - GE09M
F.EDAU09	4.81	0.24	10y - GE09U
F.EDAZ09	4.84	0.27	10y - GE09U

Price = Outright Decimal Price - Euro Contract Price
Yield = ABS(Cash Yield - Implied Euro Contract yield)



	GE Duration as Fraction of year	10Y Duration	Spread Duration	
F.EDAH07	0.092	7.73	7.64	10y - GE07H
F.EDAM07	0.342	7.73	7.39	10y - GE07M
F.EDAU07	0.591	7.73	7.14	10y - GE07U
F.EDAZ07	0.840	7.73	6.89	10y - GE07Z
F.EDAH08	1.090	7.73	6.64	10y - GE08H
F.EDAM08	1.339	7.73	6.39	10y - GE08M
F.EDAU08	1.588	7.73	6.14	10y - GE08U
F.EDAZ08	1.838	7.73	5.89	10y - GE08Z
F.EDAH09	2.087	7.73	5.65	10y - GE09H
F.EDAM09	2.336	7.73	5.40	10y - GE09M
F.EDAU09	2.586	7.73	5.15	10y - GE09U
F.EDAZ09	2.835	7.73	4.90	10y - GE09U

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