

**Morning Email: TERM TEDS & Dirty TEDS**

**Table of Contents**

Pg1	Overview and hedges
Pg2	Dirty TED: ZT vs Eurodollar Contracts
Pg3	Dirty TED: ZF vs Eurodollar Contracts
Pg4	Dirty TED: ZN vs Eurodollar Contracts
Pg5	TERM TED: 2y vs Eurodollar Contracts
Pg6	TERM TED: 5y vs Eurodollar Contracts
Pg7	TERM TED: 10y vs Eurodollar Contracts

Rotate Me

F.I. Futures and Cash			
	Last Decimal	Last 32	Last Yield*
ZT	102.0375	102.012	4.980
ZF	105.3906	105.125	4.606
ZN	108.0625	108.020	4.608
Blank			
2y	100.172	100.0550	4.777
5y	100.022	100.0070	4.607
10y	100.025	100.0080	4.615

\*Futures use CTD for Last Yield  
 \*\*Mduration = Modified Macaulay Duration

Eurodollars (GE)						
	Last Price	Last Imp Yield	Days til Expr.	Fraction of year	Month	
F.EDAZ06	94.618	5.382	34	0.093	DEC	White Pack
F.EDAH07	94.715	5.285	125	0.342	MAR	
F.EDAM07	94.870	5.130	216	0.591	JUN	
F.EDAU07	95.050	4.950	307	0.840	SEP	Red Pack
F.EDAZ07	95.180	4.820	398	1.090	DEC	
F.EDAH08	95.230	4.770	489	1.339	MAR	
F.EDAM08	95.225	4.775	580	1.588	JUN	Green Pack
F.EDAU08	95.215	4.785	671	1.838	SEP	
F.EDAZ08	95.190	4.810	762	2.087	DEC	
F.EDAH09	95.170	4.830	853	2.336	MAR	
F.EDAM09	95.130	4.870	944	2.586	JUN	
F.EDAU09	95.095	4.905	1035	2.835	SEP	

**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:**

<b>Color</b>	<b>Year</b>	<b>Contracts</b>
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

ZT

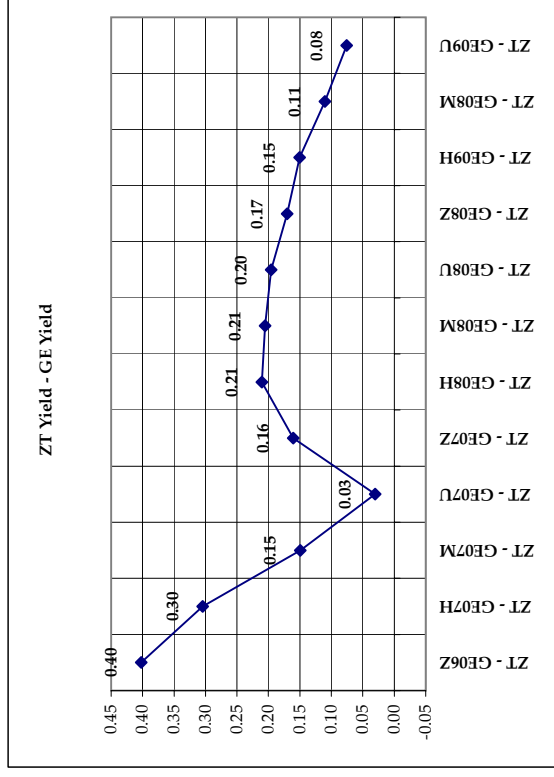
	Spread Price	Spread Yield	Spread Name
F.EDAZ06	7.420	0.40	ZT - GE06Z
F.EDAH07	7.322	0.30	ZT - GE07H
F.EDAM07	7.167	0.15	ZT - GE07M
F.EDAU07	6.988	0.03	ZT - GE07U
F.EDAZ07	6.857	0.16	ZT - GE07Z
F.EDAH08	6.807	0.21	ZT - GE08H
F.EDAM08	6.812	0.21	ZT - GE08M
F.EDAU08	6.822	0.20	ZT - GE08U
F.EDAZ08	6.848	0.17	ZT - GE08Z
F.EDAH09	6.867	0.15	ZT - GE09H
F.EDAM09	6.908	0.11	ZT - GE08M
F.EDAU09	6.943	0.08	ZT - GE09U

Price = Outright Decimal Price - Euro Contract Price

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

GE Duration as Fraction of year	Duration	ZT Duration	Spread Duration
F.EDAZ06	0.093	1.76	1.67
F.EDAH07	0.342	1.76	1.42
F.EDAM07	0.591	1.76	1.17
F.EDAU07	0.840	1.76	0.92
F.EDAZ07	1.090	1.76	0.67
F.EDAH08	1.339	1.76	0.42
F.EDAM08	1.588	1.76	0.17
F.EDAU08	1.838	1.76	(0.08)
F.EDAZ08	2.087	1.76	(0.32)
F.EDAH09	2.336	1.76	(0.57)
F.EDAM09	2.586	1.76	(0.82)
F.EDAU09	2.835	1.76	(1.07)

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

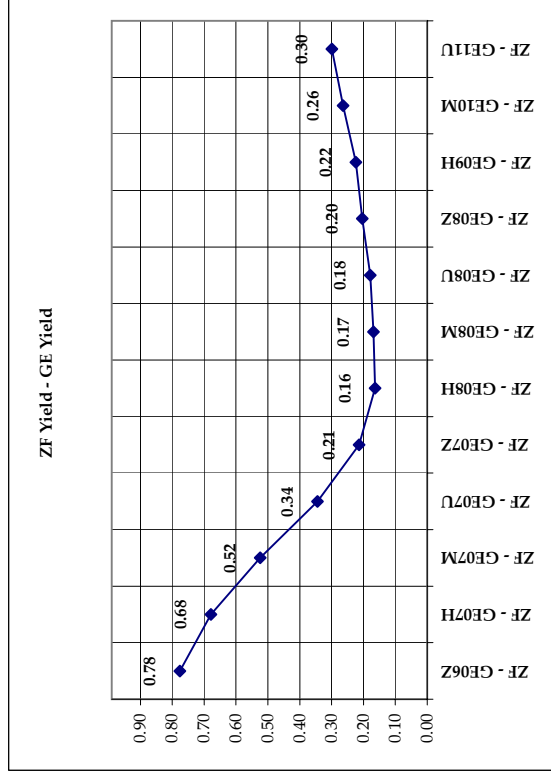


**Dirty TED: ZF vs Eurodollar Contracts**

	ZF		
	Spread Price	Spread Yield	Spread Name
F.EDAZ06	10.77	0.78	ZF - GE06Z
F.EDAH07	10.68	0.68	ZF - GE07H
F.EDAM07	10.52	0.52	ZF - GE07M
F.EDAU07	10.34	0.34	ZF - GE07U
F.EDAZ07	10.21	0.21	ZF - GE07Z
F.EDAH08	10.16	0.16	ZF - GE08H
F.EDAM08	10.17	0.17	ZF - GE08M
F.EDAU08	10.18	0.18	ZF - GE08U
F.EDAZ08	10.20	0.20	ZF - GE08Z
F.EDAH09	10.22	0.22	ZF - GE09H
F.EDAM09	10.26	0.26	ZF - GE10M
F.EDAU09	10.30	0.30	ZF - GE11U

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.EDAZ06	0.093	3.73
F.EDAH07	0.342	3.48
F.EDAM07	0.591	3.23
F.EDAU07	0.840	2.98
F.EDAZ07	1.090	2.73
F.EDAH08	1.339	2.49
F.EDAM08	1.588	2.24
F.EDAU08	1.838	1.99
F.EDAZ08	2.087	1.74
F.EDAH09	2.336	1.49
F.EDAM09	2.586	1.24
F.EDAU09	2.835	0.99

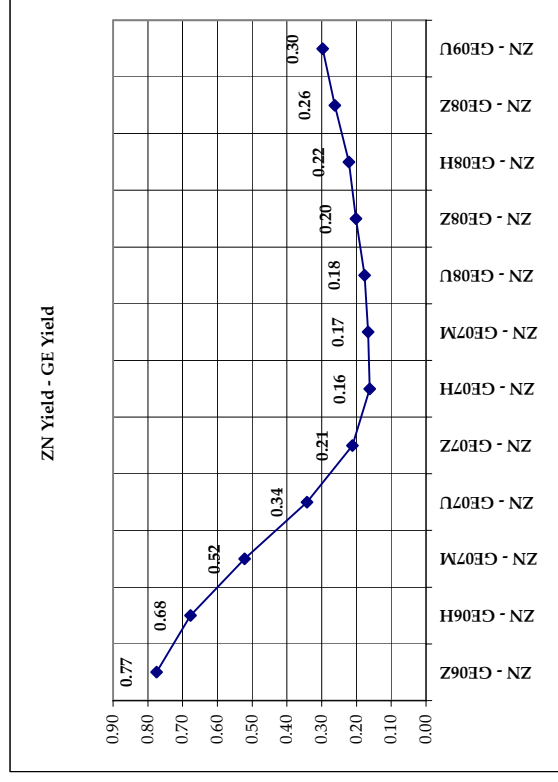
The farther away from 0 the spread duration is the riskier the trade.

Dirty TED: ZN vs Eurodollar Contracts

	Spread Price	ZN Spread Yield	Spread Name
F.EDAZ06	13.45	0.77	ZN - GE06Z
F.EDAH07	13.35	0.68	ZN - GE06H
F.EDAM07	13.19	0.52	ZN - GE07M
F.EDAU07	13.01	0.34	ZN - GE07U
F.EDAZ07	12.88	0.21	ZN - GE07Z
F.EDAH08	12.83	0.16	ZN - GE07H
F.EDAM08	12.84	0.17	ZN - GE07M
F.EDAU08	12.85	0.18	ZN - GE08U
F.EDAZ08	12.87	0.20	ZN - GE08Z
F.EDAH09	12.89	0.22	ZN - GE08H
F.EDAM09	12.93	0.26	ZN - GE08M
F.EDAU09	12.97	0.30	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.EDAZ06	0.093	5.73	5.64
F.EDAH07	0.342	5.73	5.39
F.EDAM07	0.591	5.73	5.14
F.EDAU07	0.840	5.73	4.89
F.EDAZ07	1.090	5.73	4.64
F.EDAH08	1.339	5.73	4.40
F.EDAM08	1.588	5.73	4.15
F.EDAU08	1.838	5.73	3.90
F.EDAZ08	2.087	5.73	3.65
F.EDAH09	2.336	5.73	3.40
F.EDAM09	2.586	5.73	3.15
F.EDAU09	2.835	5.73	2.90

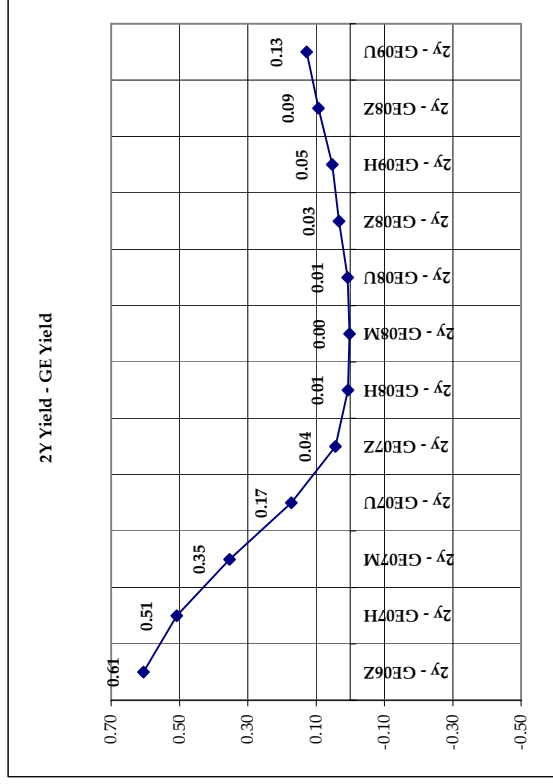
The farther away from 0 the spread duration is the riskier the trade.

**TERM TED: 2y vs Eurodollar Contracts**

	Spread Price	Spread Yield	Spread Name
F.EDAZ06	5.55	0.61	2y - GE06Z
F.EDAH07	5.46	0.51	2y - GE07H
F.EDAM07	5.30	0.35	2y - GE07M
F.EDAU07	5.12	0.17	2y - GE07U
F.EDAZ07	4.99	0.04	2y - GE07Z
F.EDAH08	4.94	0.01	2y - GE08H
F.EDAM08	4.95	0.00	2y - GE08M
F.EDAU08	4.96	0.01	2y - GE08U
F.EDAZ08	4.98	0.03	2y - GE08Z
F.EDAH09	5.00	0.05	2y - GE09H
F.EDAM09	5.04	0.09	2y - GE09M
F.EDAU09	5.08	0.13	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.EDAZ06	0.093	1.75
F.EDAH07	0.342	1.50
F.EDAM07	0.591	1.25
F.EDAU07	0.840	1.00
F.EDAZ07	1.090	0.75
F.EDAH08	1.339	0.51
F.EDAM08	1.588	0.26
F.EDAU08	1.838	0.01
F.EDAZ08	2.087	(0.24)
F.EDAH09	2.336	(0.49)
F.EDAM09	2.586	(0.74)
F.EDAU09	2.835	(0.99)

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

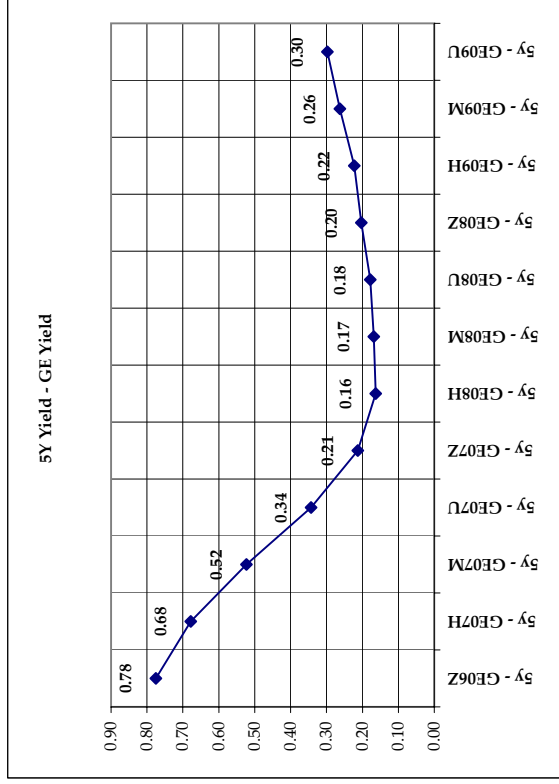
**TERM TED: 5y vs Eurodollar Contracts**

**5y**

Spread Price	Spread Yield	Spread Name
F.EDAZ06	5.40	5y - GE06Z
F.EDAH07	5.31	5y - GE07H
F.EDAM07	5.15	5y - GE07M
F.EDAU07	4.97	5y - GE07U
F.EDAZ07	4.84	5y - GE07Z
F.EDAH08	4.79	5y - GE08H
F.EDAM08	4.80	5y - GE08M
F.EDAU08	4.81	5y - GE08U
F.EDAZ08	4.83	5y - GE08Z
F.EDAH09	4.85	5y - GE09H
F.EDAM09	4.89	5y - GE09M
F.EDAU09	4.93	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.EDAZ06	0.093
F.EDAH07	0.342
F.EDAM07	0.591
F.EDAU07	0.840
F.EDAZ07	1.090
F.EDAH08	1.339
F.EDAM08	1.588
F.EDAU08	1.838
F.EDAZ08	2.087
F.EDAH09	2.336
F.EDAM09	2.586
F.EDAU09	2.835

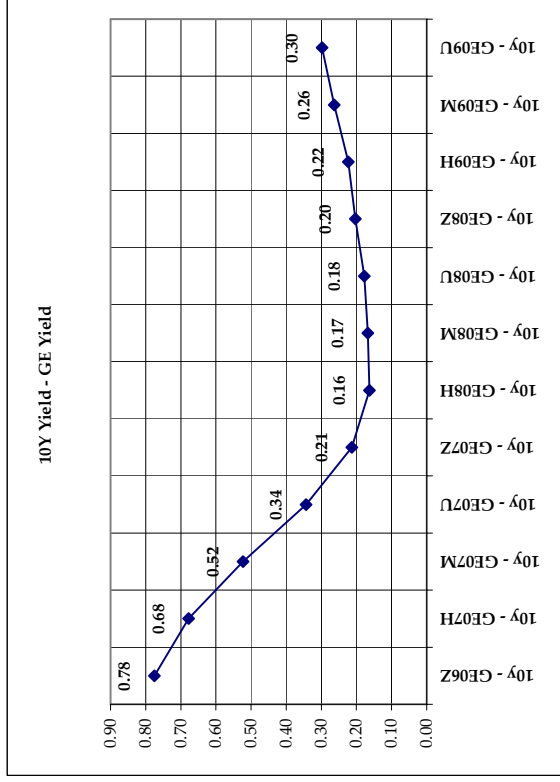
The farther away from 0 the spread duration is the riskier the trade.

**TERM TED: 10y vs Eurodollar Contracts**

	Spread Price	10y Spread Yield	Spread Yield Name
F.EDAZ06	5.40	0.78	10y - GE06Z
F.EDAH07	5.31	0.68	10y - GE07H
F.EDAM07	5.15	0.52	10y - GE07M
F.EDAU07	4.97	0.34	10y - GE07U
F.EDAZ07	4.84	0.21	10y - GE07Z
F.EDAH08	4.79	0.16	10y - GE08H
F.EDAM08	4.80	0.17	10y - GE08M
F.EDAU08	4.81	0.18	10y - GE08U
F.EDAZ08	4.83	0.20	10y - GE08Z
F.EDAH09	4.85	0.22	10y - GE09H
F.EDAM09	4.89	0.26	10y - GE09M
F.EDAU09	4.93	0.30	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.EDAZ06	0.093	7.94	7.84
F.EDAH07	0.342	7.94	7.59
F.EDAM07	0.591	7.94	7.34
F.EDAU07	0.840	7.94	7.09
F.EDAZ07	1.090	7.94	6.85
F.EDAH08	1.339	7.94	6.60
F.EDAM08	1.588	7.94	6.35
F.EDAU08	1.838	7.94	6.10
F.EDAZ08	2.087	7.94	5.85
F.EDAH09	2.336	7.94	5.60
F.EDAM09	2.586	7.94	5.35
F.EDAU09	2.835	7.94	5.10

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