

## Research on ABS Factors

- Trend Following (Fung & Hsieh, Review of Financial Studies, 2001)
- Merger Arbitrage (Mitchell & Pulvino, Journal of Finance, 2001)
- ABS Factor General Theory (Fung & Hsieh, Financial Analysts Journal, 2002a)
- Fixed Income (Fung & Hsieh, Journal of Fixed Income, 2002b)
- Equity (Agarwal & Naik, Review of Financial Studies, 2004; Fung & Hsieh, LBS working paper, 2004)
- Pairs Trading (Gatev, Goetzmann, Rouwenhorst, RFS 2006)
- Convertible Arbitrage (Agarwal, Fung, Naik, and Loon, 2009)
- And so a few others.

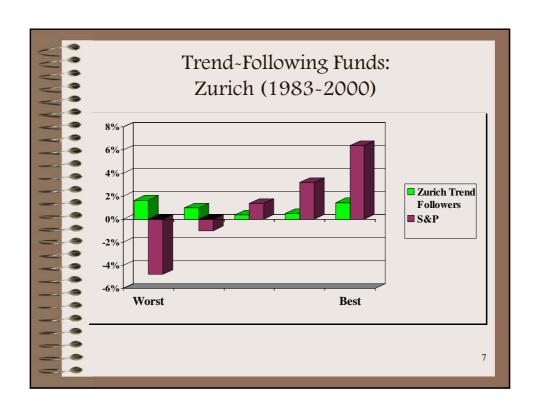
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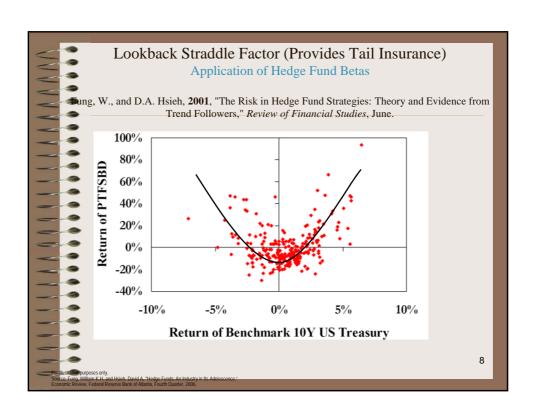
## ABS Factors: Trend Following

Fung & Hsieh (RFS, 2001)

- Strategy: Active, Momentum-Driven
- Markets: 28 markets (stock indices, bonds, interest rates, currencies, commodities)
- Funds: Tass Commodity Funds, 1987-1995
- Principal Component Analysis:
  - % of cross-sectional variation explained by PC1 35%, PC2 8%
  - Returns similar to MAR-Hedge Trend-following index
- ABS Factors: Consistent with Lookback Straddles
  - Buy at minimum price (low), sell at maximum price (high)
  - Goldman, Sosin, Gatto (J. Fin, 1979)
  - Use exchange traded straddle to replicate lookback straddles
  - Long realized price volatility

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$ \overline{R^2} $ of Trend-Following Funds on Benchmarks Fung & Hsieh (RFS, 2001)	
Eight Risk Factors in Fung and Hsieh (RFS,1997) Five stock markets Five bond markets Six short-term interest rate markets Four currency markets Six commodity markets Goldman Sachs Commodity Index Commodity Research Bureau Index Mount Lucas/BARRA Trend Following Index Five Lookback portfolios	1.00% -2.10% 7.50% 1.50% -1.10% -3.20% -0.70% -0.80% 7.50% 47.90%

