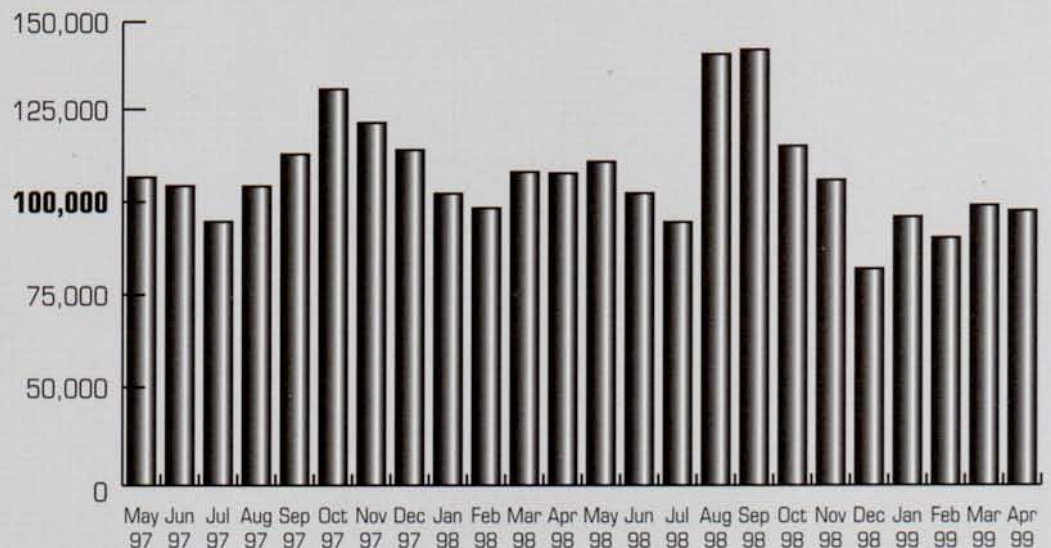


# THE PROGRAM

**Linear Program Trading, (LPT)** takes advantage of market volatility by allocating positions in the **Standard & Poor's 500 (S&P 500 Index)**. Rather than attempt to predict significant movements in individual stock or bond prices, the direction of interest rates, earnings or the economy, advanced mathematical modeling is employed to find profit opportunities. Through the statistical evaluation of the distribution of market movements and trading expertise, strategies are developed to help provide consistent, long-term performance with an emphasis on preservation of capital.

**LPT** utilizes only "exchange-traded" options on the S&P 500 Index as the vehicle to attempt to take advantage of the erosion of option premiums. The S&P 500 Index represents over \$11 trillion in market capitalization of America's largest corporations. Historically over **100,000** S&P 500 options trade daily.

**S&P 500 INDEX**  
Average Daily Volume



**LPT has a systematic, discipline adhered to in order to avoid emotion**

The philosophy is fundamentally investment and mutual fund management. Advanced software are used extensively to profit while limiting risk. Tools enhance strategies and find applications.

**LPT** collects premiums from the speculators predicting the market, hedging long or short positions, and reducing risk using combinations of long and short expiration dates as protection against the Crash of 1987. Reduced premiums are possible to zero. In an extended

## 1. Time decay of SPX Index Options

The **Theta** of a portfolio of derivative securities in the SPX Index Options market is the change in the value of the portfolio with respect to time with a constant underlying asset price. The Theta of a portfolio of SPX index options is represented mathematically as follows:

$$\Theta = \frac{-\text{SN}'(d_1)\sigma^{-q(T-t)}}{2(T-t)^{-2}} + q\text{SN}(d_1)$$

$$\Theta = \frac{-\text{SN}'(d_1)\sigma^{-q(T-t)}}{2(T-t)^{-2}} - q\text{SN}(-d_1)$$

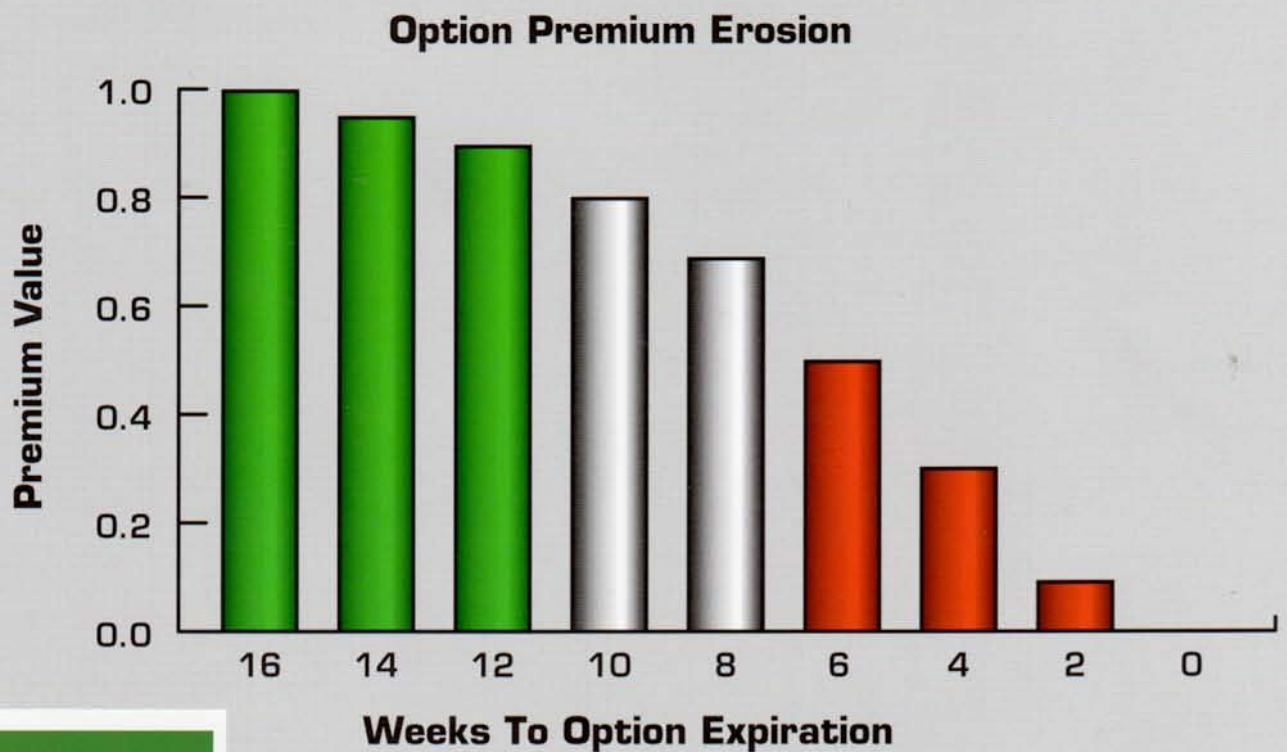
## 2. The effect of distributional m

The **Delta** of a derivative security,  $\Delta$ , is the change in the value of the derivative security with respect to the price of the underlying asset. The Delta of a derivative security follows, where  $f$  is the price of the underlying asset:

# OPTION PREMIUMS

**Premium:** The price that a seller of an option receives and the buyer pays for the rights conveyed by the option.

**Option premiums erode over time with the most rapid erosion occurring in the final weeks leading up to expiration of the option contract.**

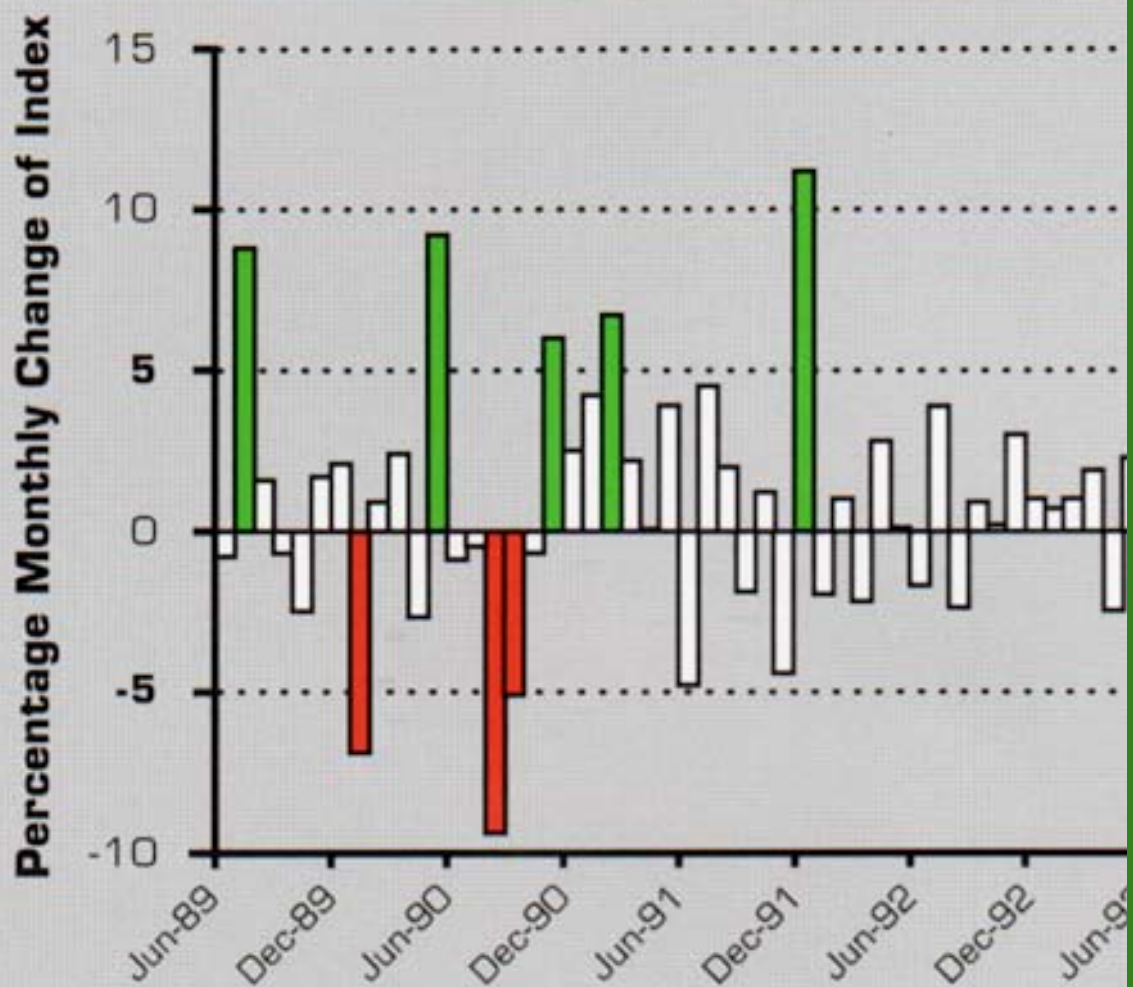


The essence of the Program's philosophy is to sell **S&P 500** Index Options with the greatest erosion potential, normally the last four to six weeks of a contract. Over time the value of the options that have been sold will usually expire worthless.

Historical performance of securities prices is no guarantee

**An important basis for the Pro  
historically trades within a rat  
have shown this to be true:**

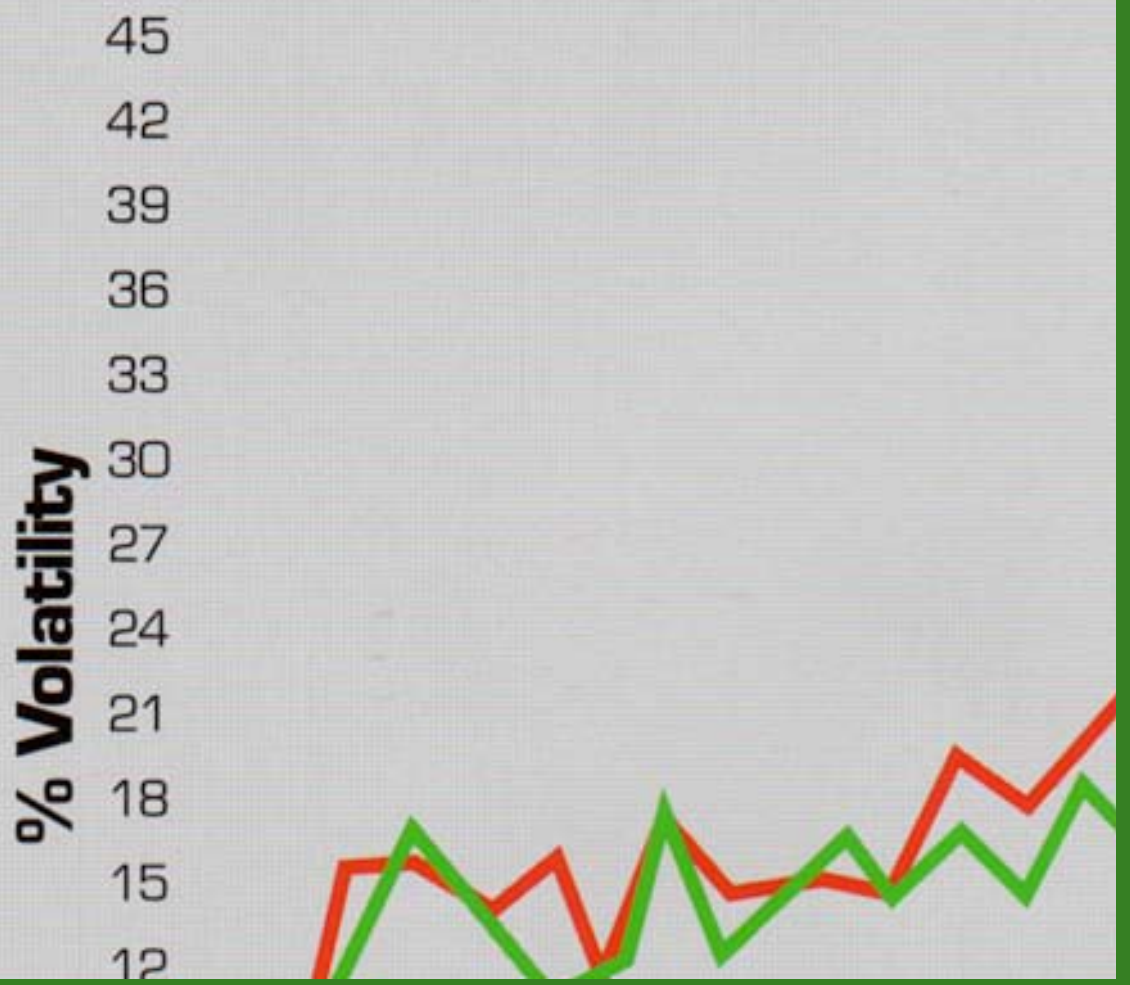
### **Distribution Of Market**



Historical performance of securities prices is no guar

**The primary goal of LPT is to ca  
and "historic" volatility.**

### **Three Year Historic**



# TAX CONSIDERATIONS

The tax treatment is very favorable to certain investors.

As a result of the **Tax Reform Act of 1984**, a broad-based stock index option is treated as a **Section 1256** contract (**Internal Revenue Code**). Gains and losses from the sale, expiration, or exercise are treated as **60%** long-term capital gain or loss and **40%** short-term capital gain or loss regardless of the holding period.

For example, a high net worth individual who is normally taxed in the highest US Federal income tax bracket of **39.6%** will be subject to a capital gains tax rate of **27.84%** on all profits. Subsequently, **LPT** offers certain investors a **30%** lower tax treatment plan than a top tax bracket individual's taxable ordinary income earned.

After-tax returns for certain **LPT** investors can be significant for certain investors as compared to other investment vehicles because of the special federal income tax treatment of indexed options. Each investor's situation may be different, please consult your own tax adviser before effecting options transactions.

## SEC. 1256. SECTION 1256 CONTRACTS MARKED TO MARKET

(Sec. 1256(a))

(a) GENERAL RULE - For purposes of this subtitle -

(1) each section 1256 contract held by the taxpayer at the close of the taxable year shall be treated as sold for its fair market value on the last business day of such taxable year (and any gain or loss shall be taken into account for the taxable year.

(2) Proper adjustment shall be made in the amount of any gain or loss subsequently realized for gain or loss taken into account by reason of paragraph (1).

(3) Any gain or loss with respect to a section 1256 contract shall be treated as -

(A) short-term capital gain or loss to the extent of 40 percent of such gain or loss, and

(B) long-term capital gain or loss, to the extent of 60 percent of such gain or loss, and

(4) if all the offsetting positions making up any straddle consist of section 1256 contracts to which this section applies (and such straddle is not part of a larger straddle), sections 1092 and 263(g) shall not apply with respect to such straddle.



**Gregory Alan Simmons** is Senior of Derivatives Group and Coordin Roth, Inc. He is also a Senior Re to his appointment at Cruttende President of Investments for six y Sutro & Co., Inc. Mr. Simmons Templeton Advisors, a \$100 mil in Los Angeles where he co-r account.

**Options Are Not Suitable**



## **Index Option**

An index is a measure of the value published by various sources, including several exchanges.

## **Option**

An option is a legal contract that gives the holder the right to buy (or sell) a certain amount of the underlying asset at a pre-determined price (the strike price) for a specific time period.

## **Call**

A certain type of option contract that gives the holder the right to buy the underlying asset.

## **Put**

A certain type of option contract that gives the holder the right to sell the underlying asset.