

DISCOUNT RATE → # PERIODS (YEARS)

$$1 - \frac{1}{(1+i)^N}$$

$i$

PV ANNUITY FACTOR  
COUPONS

+

DISCOUNT RATE → # PERIODS (YEARS)

$$\frac{1}{(1+i)^N}$$

PV PAR (FACE) BOND

≈

MARKET PRICE BOND

BREAK EVEN •  
YIELD ADVTG •

PREMIUM POINTS / BN PRICE  
ADVANTAGE

**A** CONVERSION RATIO: # OF SHARES ONE PAR VALUE BOND CONVERTS INTO.  
\$1000 PAR NEC ⇒ 44 COMMON SHARES

**B** CONVERSION VALUE: COMMON STOCK PRICE \* CONVERSION RATIO.

**C** STRAIGHT VALUE: DISCOUNTED CASH FLOWS OF CONVERTIBLE BOND IGNORING EMBEDDED CONVERSION OPTIONS.

**D** MARKET CONVERSION PRICE: IMPLICIT PRICE PER SHARE OF UNDERLYING COMMON STOCK GIVEN PURCHASE PRICE OF CONVERTIBLE BOND.

CONVERSION PREMIUM



PREMIUM PRICE OVER COMMON STOCK PRICE TYPICALLY

**E** PARITY PRICE:  $\frac{\text{CONVERTIBLE BOND PRICE}}{\text{CONVERSION RATIO}}$   
 $\frac{\text{COMMON STOCK PRICE} * \text{CONVERSION RATIO}}$

▲ ZERO PAYOFF PRICE

"BUSTED CONVERTIBLE":

JUNK STOCK ASSOCIATED WITH A CONVERTIBLE BOND  
CONVERSION VALUE OF BOND IS LESS THAN 50%  
OF PRICE OF CONVERTIBLE BOND

CONVERSION VALUE:

COMMON STOCK PRICE \* CONVERSION RATIO

**F** PREMIUM POINTS:

BOND PRICE - PARITY PRICE

**G** PERCENT PREMIUM:

$\frac{(\text{BOND PRICE} - \text{PARITY PRICE})}{\text{PARITY PRICE}} * 100$

**H** ADVANTAGE: DIFFERENCE IN CURRENT YIELD IN CONVERT BOND AND DIVIDEND YIELD IN STOCK