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Price volatility properties of bonds with a call/prepay option

> A callable bond may be called or prepaid by the issuer

> A call or prepay option embedded in a bond is likely only to be exercised if the market yield falls below the coupon rate of the bond as it is only then that the issuer, who holds the option, can refinance at a lower rate

> Since the bond is unlikely to be called if the market yield is higher than the coupon rate, the price-yield relationship for yields greater than the coupon rate will mirror that of an option-free bond

> This means that properties 1-4 hold for a bond with an embedded call option where the market yield is greater than the coupon rate, ie it is said to exhibit positive convexity

















































