Any forward-looking cost of capital calculation already embodies tax effects since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities on the basis of after-tax returns. Besides, a very since investors price securities of after-tax returns. Besides, a very since investors price securities of after-tax returns. Besides, a very since investors price securities of after-tax returns. Besides, a very since investors price securities of after-tax returns. Besides, a very since investors price securities of after-tax returns. Besides, a very since investors price securities of after-tax returns. Besides, a very since investors price securities of after-tax returns. Besides, a very since investors price investors price securi

The existence of a negative risk premium is highly unlikely, as it is at serious odds with the basic tenets of finance, economics, and law. Using proper definitions for expected rates of return of equity and debt, the preponderance of the evidence indicates that the negative risk premium does not exist. Several risk premium studies cited in this chapter have found positive risk premiums well in excess of 5% over the last decade. Risk premiums do narrow during unusually turbulent and volatile interest rate environments, but then return to normal levels. They are most unlikely to ever become negative.

4.7 Risk Premium Determinants

Fundamentally, the primary determinant of expected returns is risk. To wit, the various paradigms of financial theory, including the Capital Asset Pricing Model and the Arbitrage Pricing Model covered in subsequent chapters, posit fundamental relationships between return and risk. There are also secondary influences on the relative magnitude of the risk premium, however, including the level of interest rates, default risk, and taxes.

Interest Rates

Published studies by Brigham, Shome, and Vinson (1985), Harris (1986), Harris and Marston (1992, 1993), Carleton, Chambers, and Lakonishok (1983), Morin, (2005), and McShane (2005), and others demonstrate that, beginning in 1980, risk premiums varied inversely with the level of interest ratesrising when rates fell and declining when interest rates rose. The reason for this relationship is that when interest rates rise, bondholders suffer a capital loss. This is referred to as interest rate risk. Stockholders, on the other hand, are more concerned with the firm's earning power. So, if bondholders' fear of interest rate risk exceeds shareholders' fear of loss of earning power, the risk differential will narrow and hence the risk premium will shrink. This is particularly true in high inflation environments. Interest rates rise as a result of accelerating inflation, and the interest rate risk of bonds intensifies more than the earnings risk of common stocks, which are partially hedged from the ravages of inflation. This phenomenon has been termed as a "lock-in" premium. Conversely in low interest rate environments, when bondholders' dominate the risk differential shareholders' fears of loss of earning power dominate, the risk differential will widen and hence the FGSk003462 mium will increase.