

Table 5-d
Decomposition of the Taylor Series Expansion: Default Free Par Bonds
from One Year to Thirty Years to Maturity, $\Delta y = 10$ Basis Points, $\Delta t = 0$

<u>Bond Maturity (years)</u>	<u>1</u>	<u>5</u>	<u>15</u>	<u>30</u>
Duration (D^*)	0.9808	4.2177	8.9919	11.7642
Convexity	1.3512	20.819	104.978	214.24
Theta (θ)	0.04079	0.04079	0.04079	0.04079
New Price	99.9058	99.5955	99.1406	98.8795
<u>%ΔP</u>	<u>-0.0009</u>	<u>-0.0041</u>	<u>-0.0086</u>	<u>-0.0112</u>
$-(D \Delta y) / \% \Delta P$	100.0717	100.259	100.608	100.9486
$(\frac{1}{2} CON \Delta y^2) / \% \Delta P$	-0.0717	-0.2573	-0.6108	-0.956

Table 5-e
Decomposition of the Taylor Series Expansion: Default Free Par Bonds
from One Year to Thirty Years to Maturity, $\Delta y = 10$ Basis Points, $\Delta t = 1$ day

<u>Bond Maturity (years)</u>	<u>1</u>	<u>5</u>	<u>15</u>	<u>30</u>
Duration (D^*)	0.9808	4.2177	8.9919	11.7642
Convexity	1.3512	20.819	104.978	214.24
Theta (θ)	0.04079	0.04079	0.04079	0.04079
New Price	99.9275	99.6174	99.1622	98.901
<u>%ΔV</u>	<u>-0.0007</u>	<u>-0.0038</u>	<u>-0.0084</u>	<u>-0.011</u>
$-(D \Delta y) / \% \Delta V$	130.0734	106.006	103.1982	102.9245
$(\theta \Delta t) / \% \Delta V$	-29.642	-5.646	-2.5651	-1.9554
$-(Cross \Delta y \Delta t) / \% \Delta V$	-0.3354	-0.040	-0.0093	-0.0019
$(\frac{1}{2} CON \Delta y^2) / \% \Delta V$	-0.0932	-0.2637	-0.625	-0.9747
$(\frac{1}{2} \Theta_2 \Delta t^2) / \% \Delta V$	-0.0032	-0.0006	-0.0003	-0.0002

Table 5-f
Decomposition of the Taylor Series Expansion: Default Free Par Bonds from One Year to
Thirty Years to Maturity, $\Delta y = \text{One Standard Deviation (Historical)}$, $\Delta t = 30$ days

<u>Bond Maturity (years)</u>	<u>1</u>	<u>5</u>	<u>15</u>	<u>30</u>
Duration (D^*)	0.9809	4.2177	8.9919	11.7642
Convexity	1.3512	20.819	104.978	214.24
Theta (θ)	0.04079	0.04079	0.04079	0.04079
Δy (%)	0.6500	0.4700	0.3875	0.3500
New Price	100.084	98.7873	97.3825	96.8174
<u>%ΔV</u>	<u>0.0008</u>	<u>-0.0121</u>	<u>-0.0262</u>	<u>-0.0318</u>
$-(D \Delta y) / \% \Delta V$	-729.3730	157.1763	127.9986	124.3981
$(\theta \Delta t) / \% \Delta V$	767.1437	-53.1648	-24.6315	-20.2577
$-(Cross \Delta y \Delta t) / \% \Delta V$	56.4215	-2.0496	-0.3448	-0.0671
$(\frac{1}{2} CON \Delta y^2) / \% \Delta V$	3.3966	-1.8388	-3.0111	-4.1231
$(\frac{1}{2} \Theta_2 \Delta t^2) / \% \Delta V$	2.473	-0.1714	-0.0794	-0.0653