CREATIVE MATH. 14 (2005), 83 - 87

Analysis of duration and convexity of coupon obligation

VINCENT ŠOLTÉS AND MICHAL ŠOLTÉS

ABSTRACT. Duration and convexity of coupon bonds are analysed in this paper. There is derived new formula for duration of the coupon bonds. The proof is based on the calculation of the sum some special sequences without using derivation and integration.

VINCENT ŠOLTÉS FACULTY OF ECONOMICS DEPARTMENT OF FINANCE LETNÁ 9, 042 00 KOŠICE SLOVAKIA *E-mail address*: vincent.soltes@tuke.sk

Michal Šoltés Faculty of Economics Department of Banking and Investment Letná 9, 042 00 Košice Slovakia *E-mail address*: michal.soltes@tuke.sk