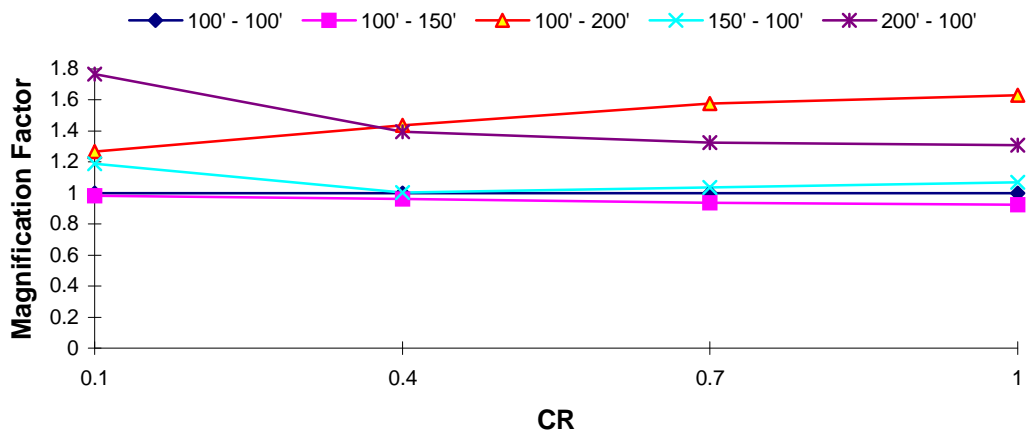
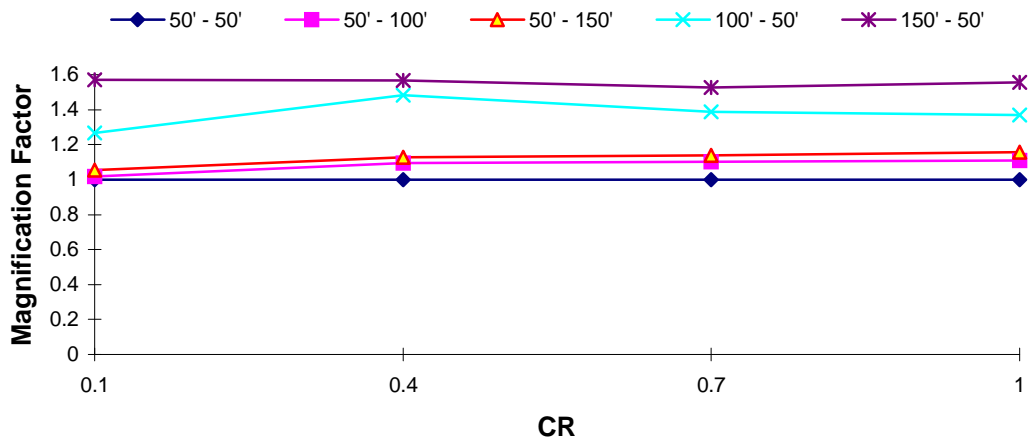
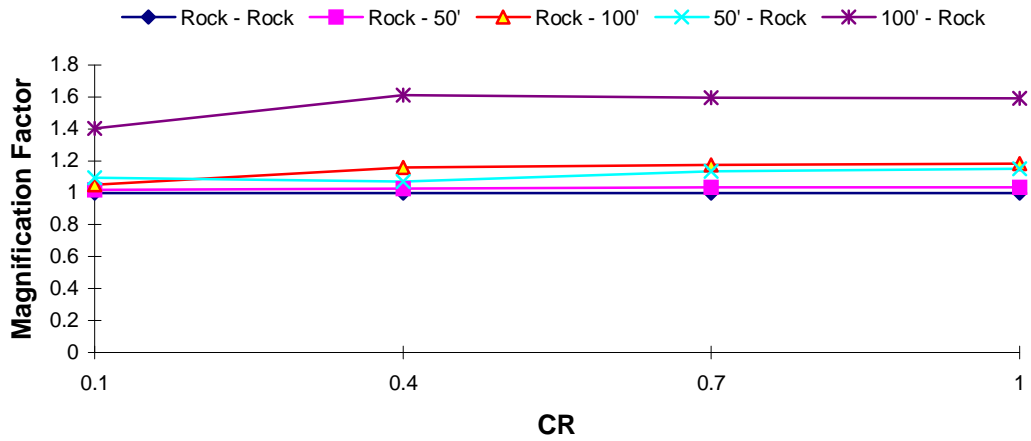
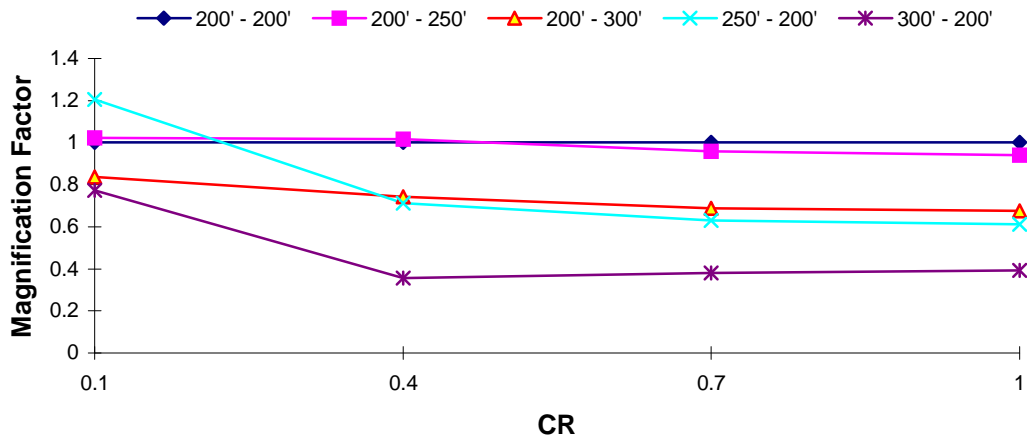
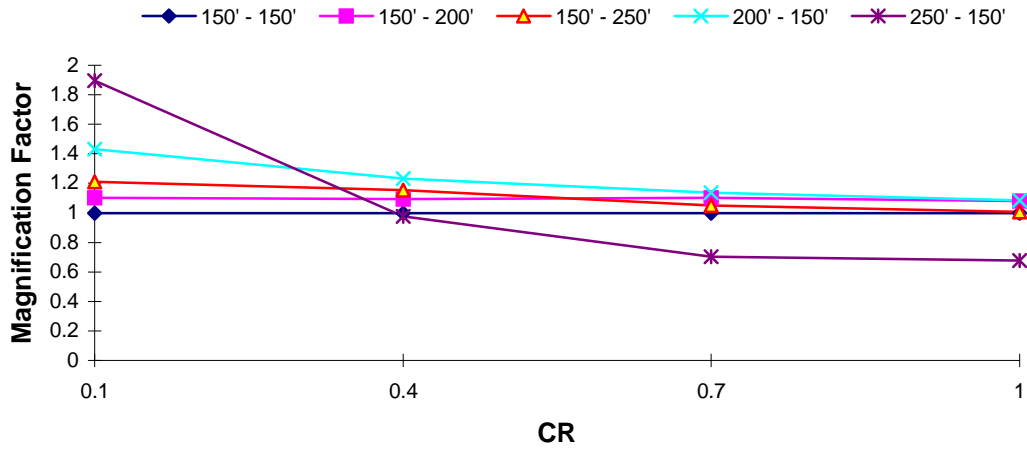


## **APPENDIX A4 – MAGNIFICATION FACTORS**

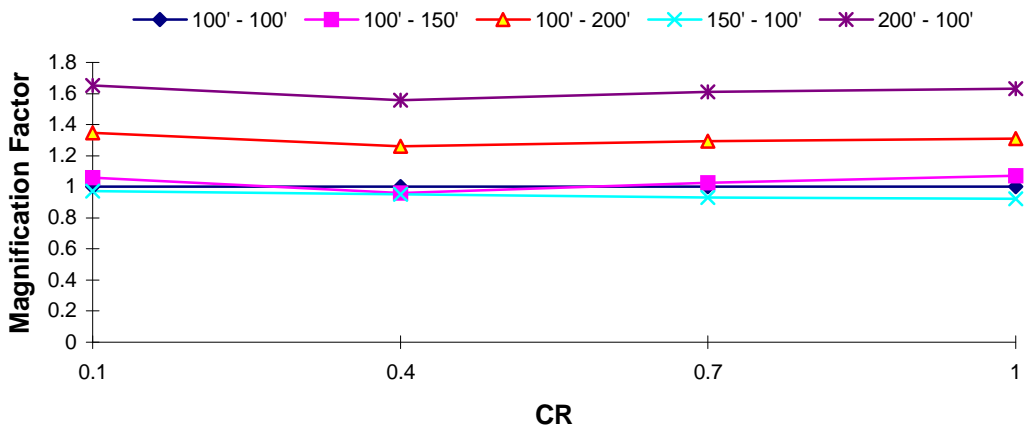
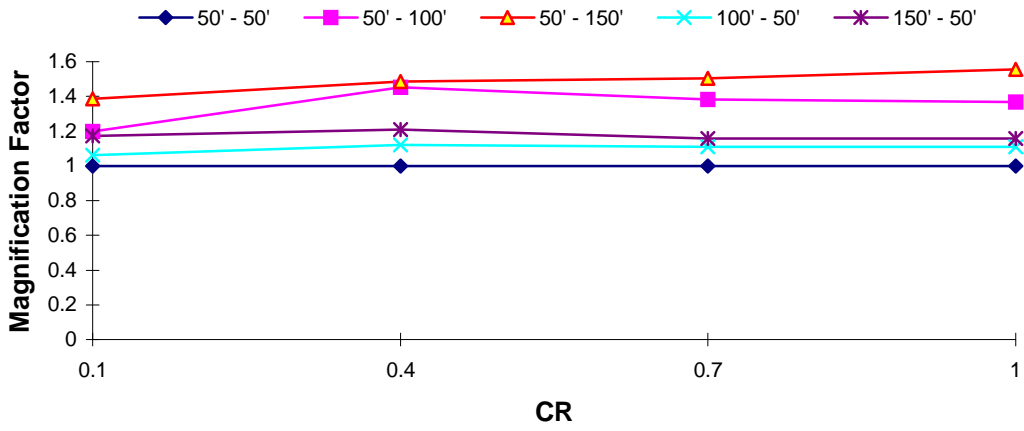
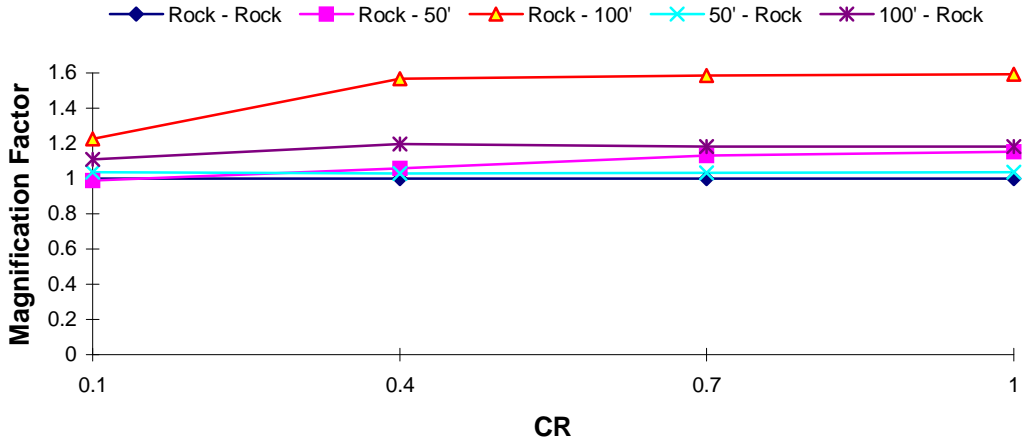
**$T_1 = 2.0 \text{ sec}$**



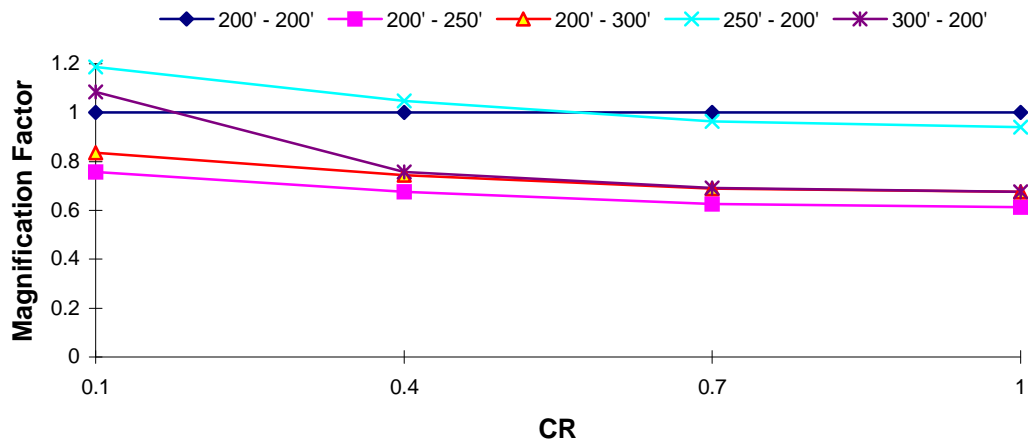
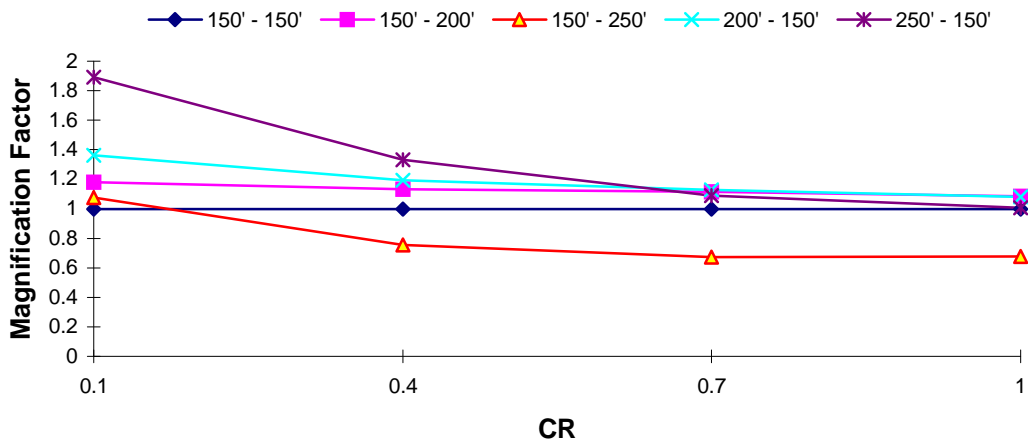
**DOF 1 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$



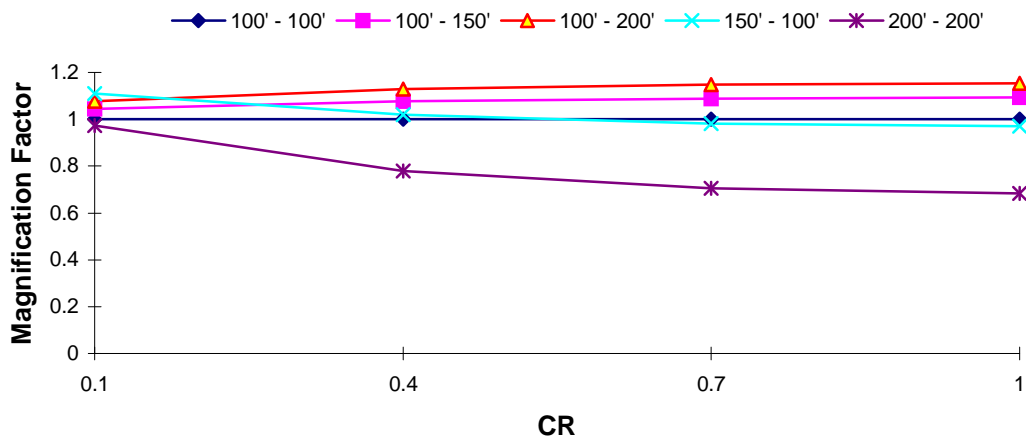
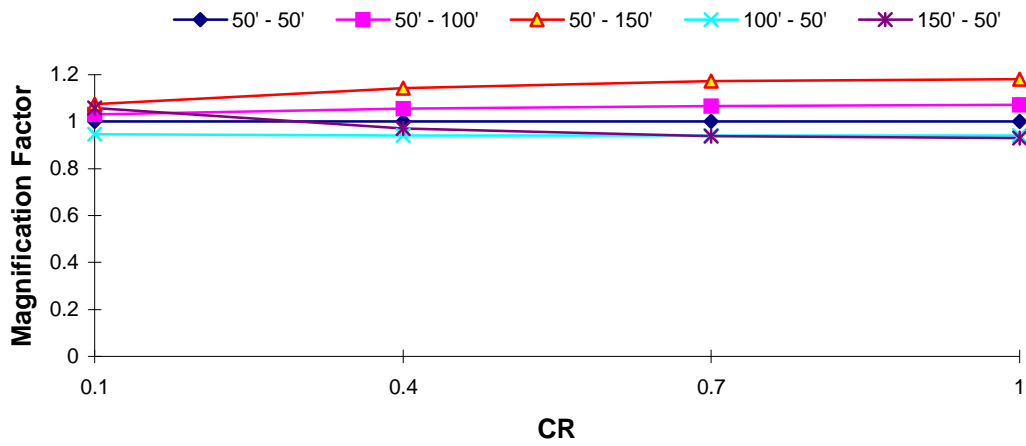
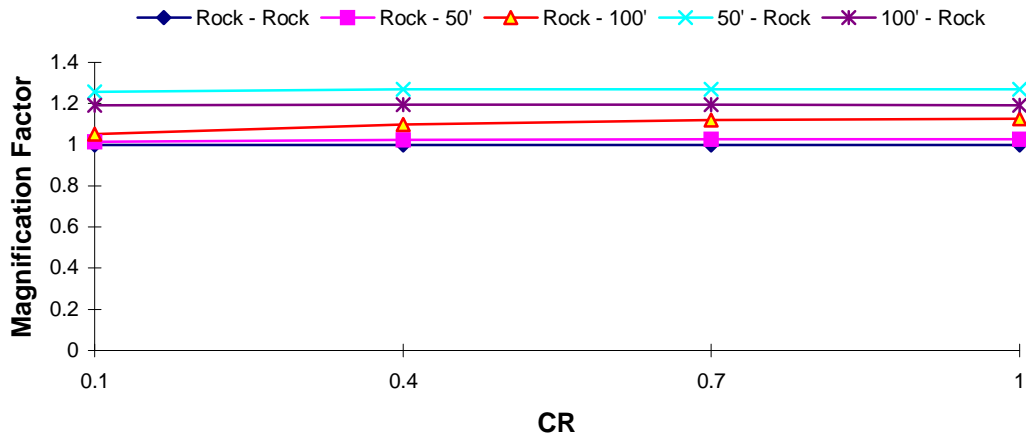
**DOF 1 Magnification Factor : Taft EQ**  
**T<sub>1</sub> = 2.0 s, TR = 0.1**



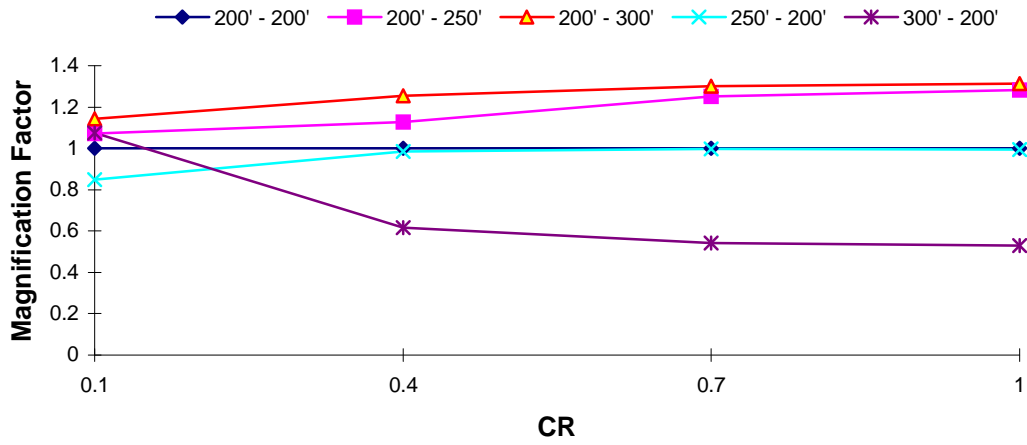
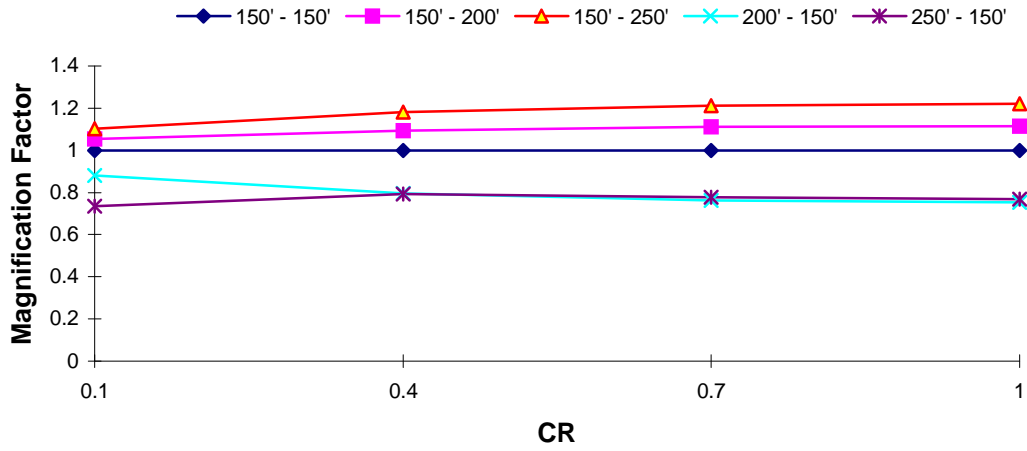
**DOF 2 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$



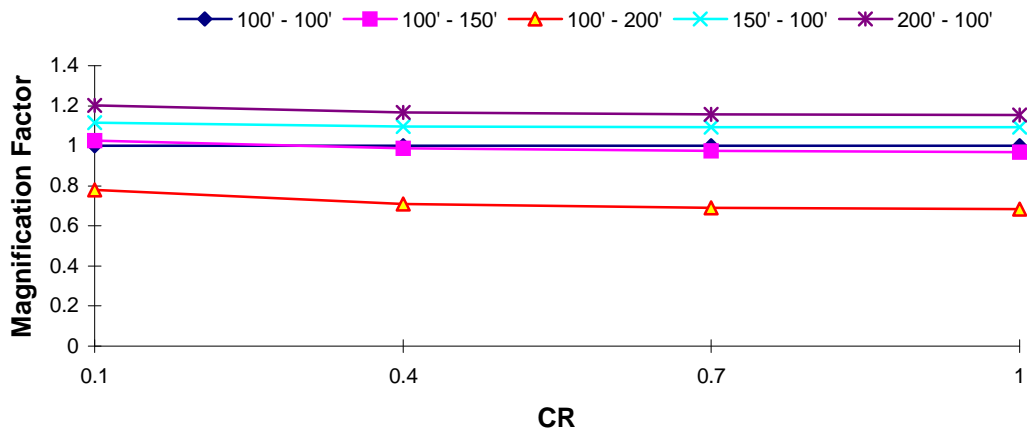
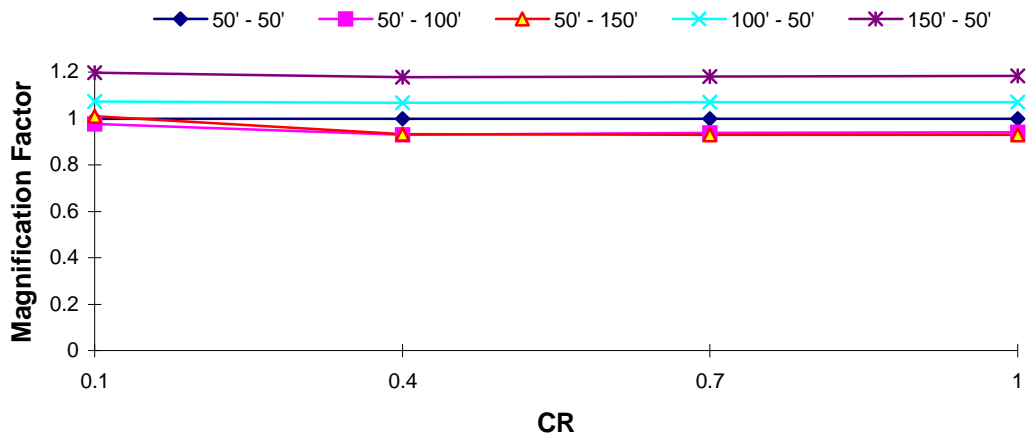
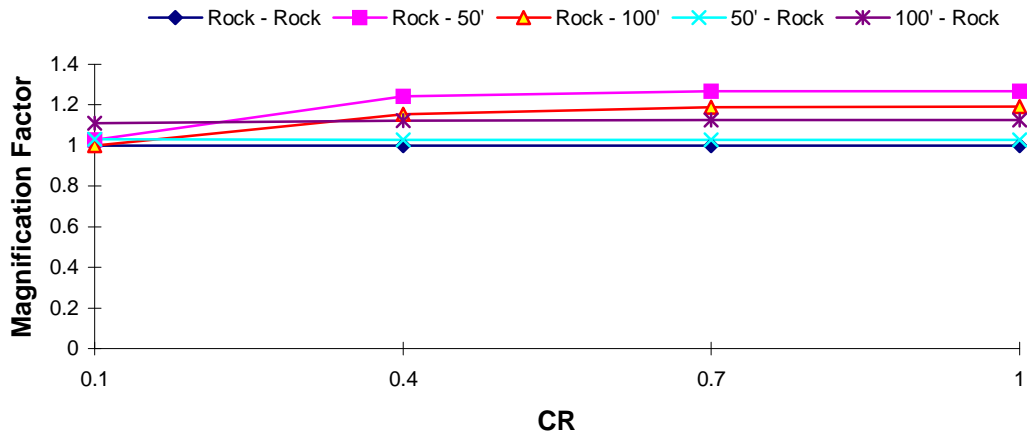
**DOF 2 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$



**DOF 1 Magnification Factor : El Centro EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$

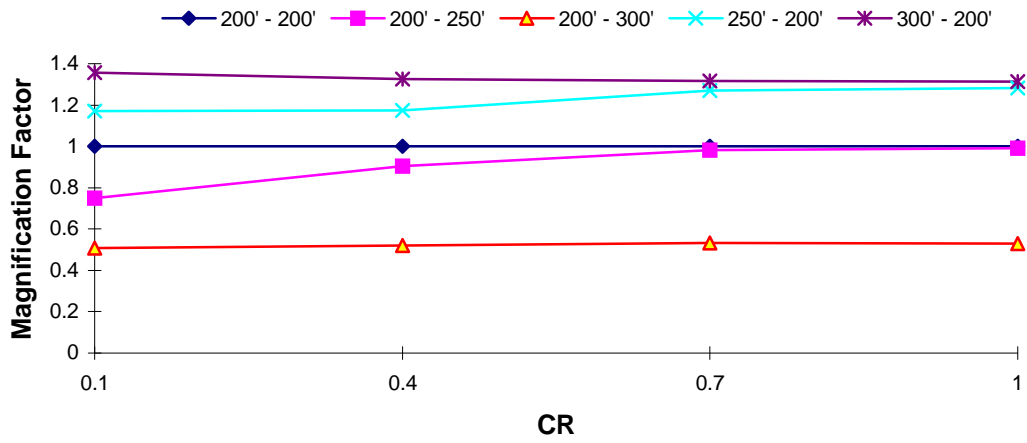
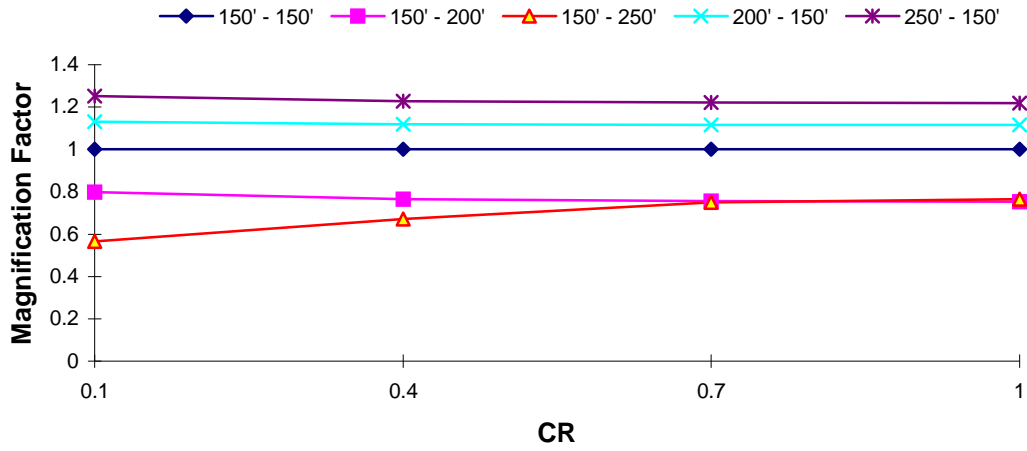


**DOF 1 Magnification Factor : El Centro EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$

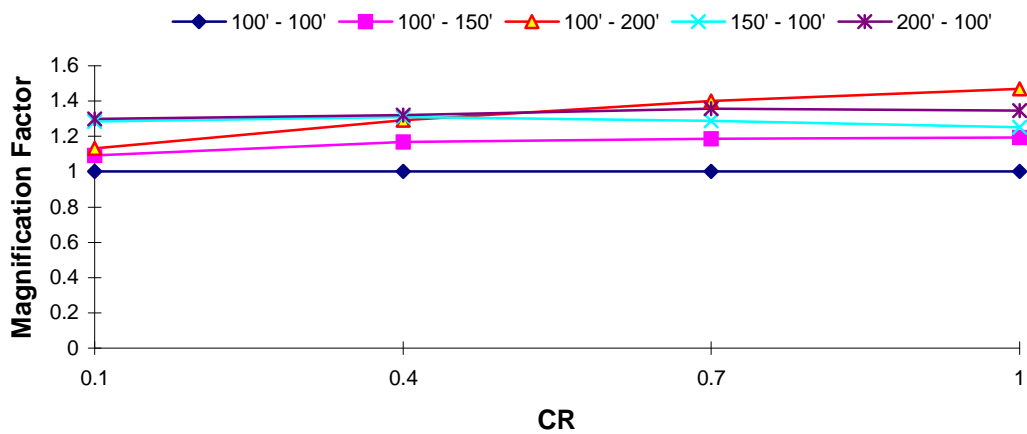
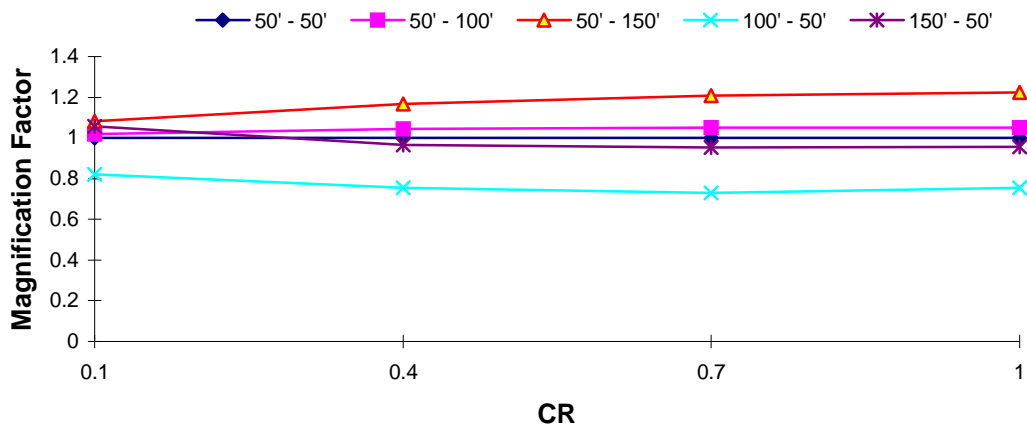
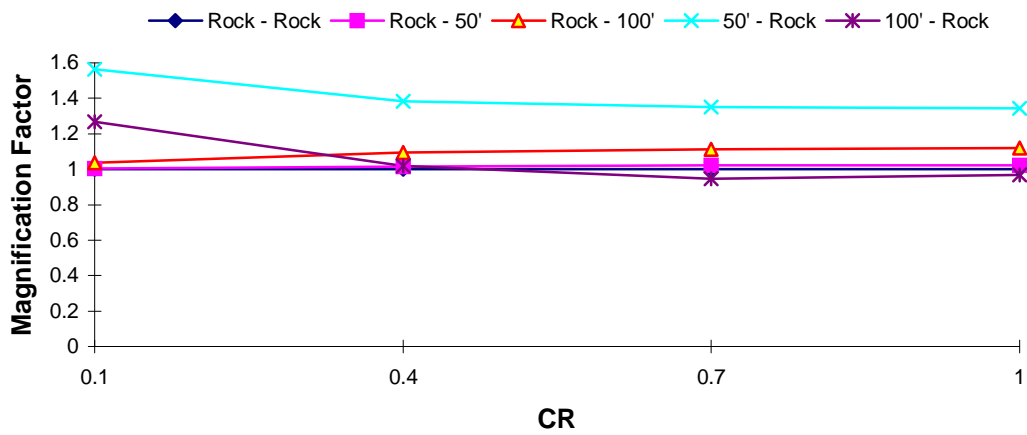


**DOF 2 Magnification Factor : El Centro EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$

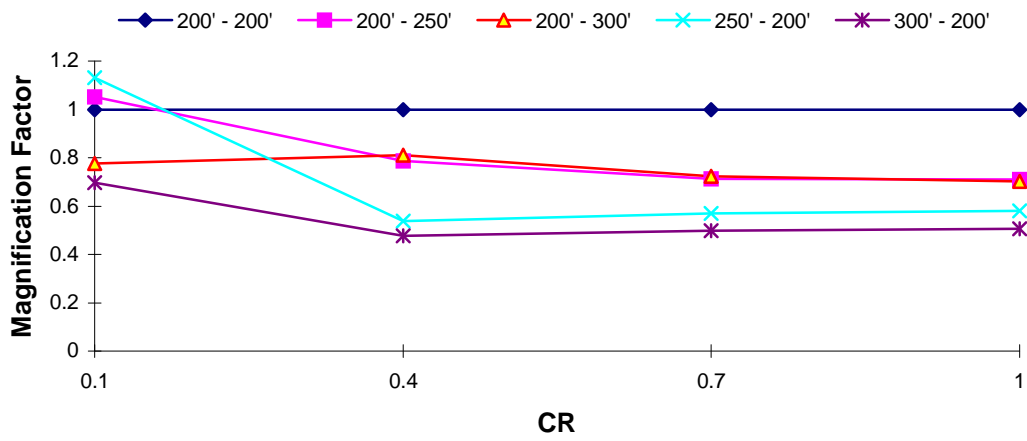
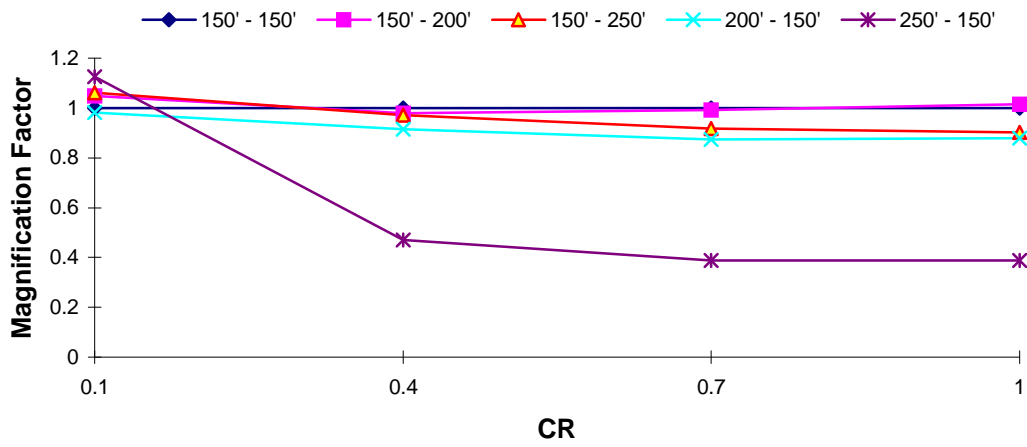




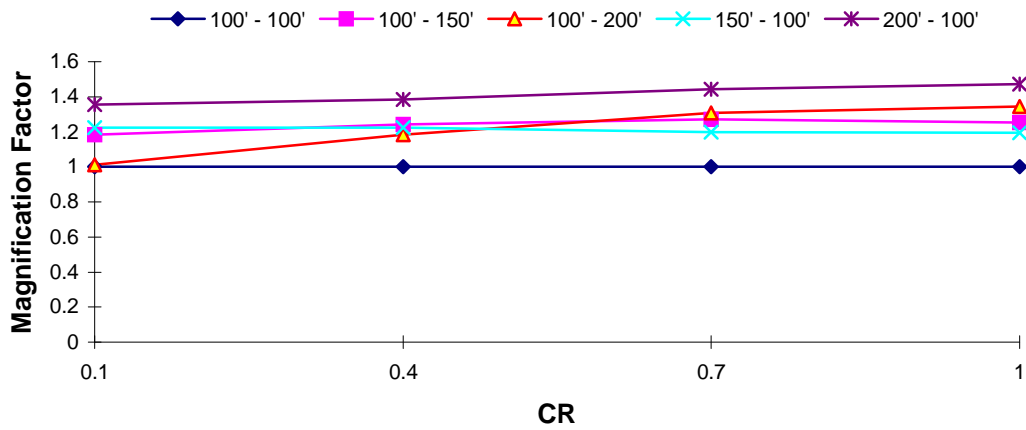
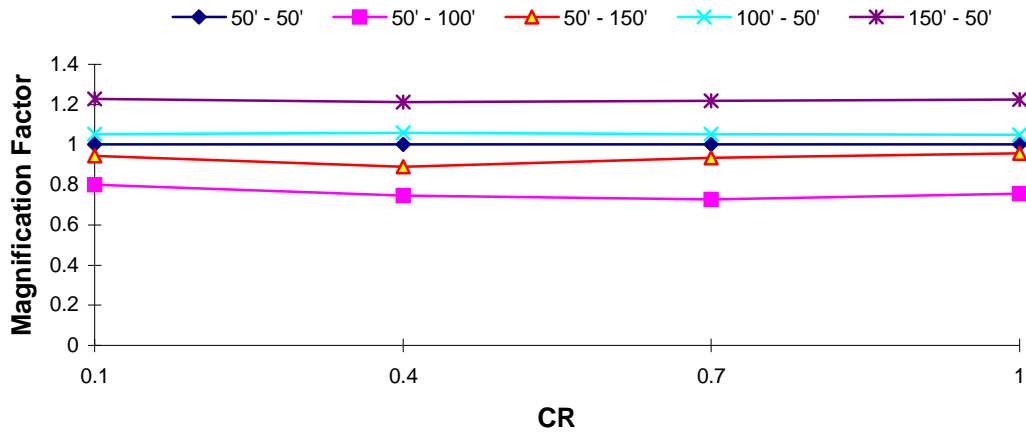
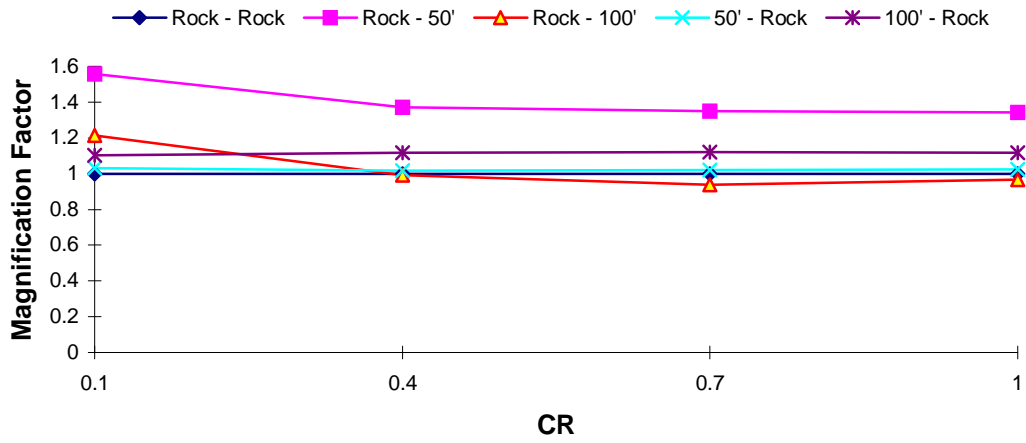
**DOF 2 Magnification Factor : El Centro EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$



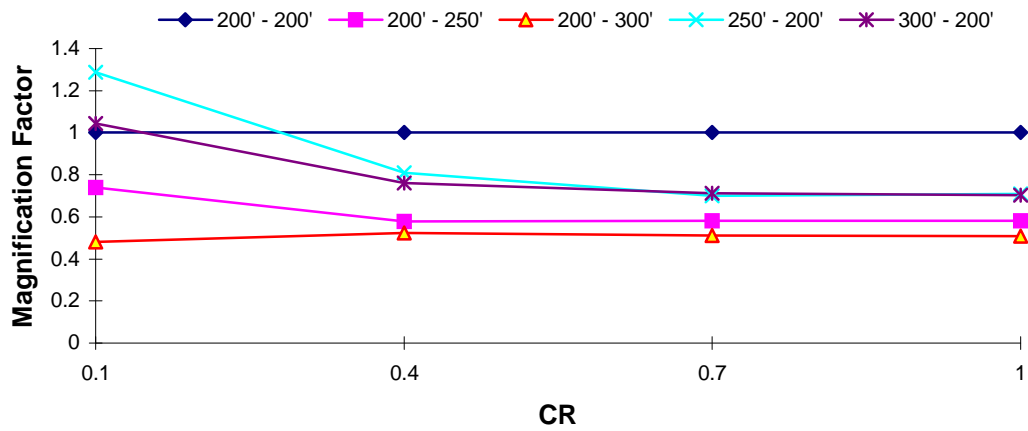
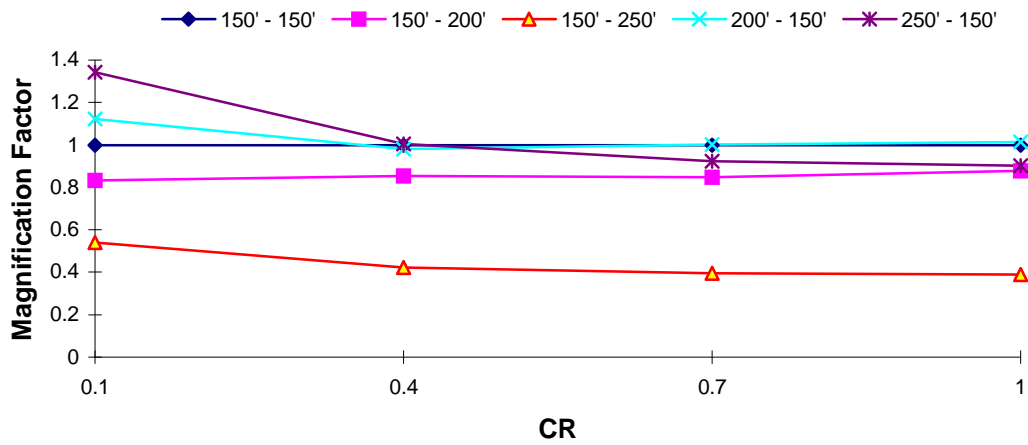
**DOF 1 Magnification Factor : Northridge EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$



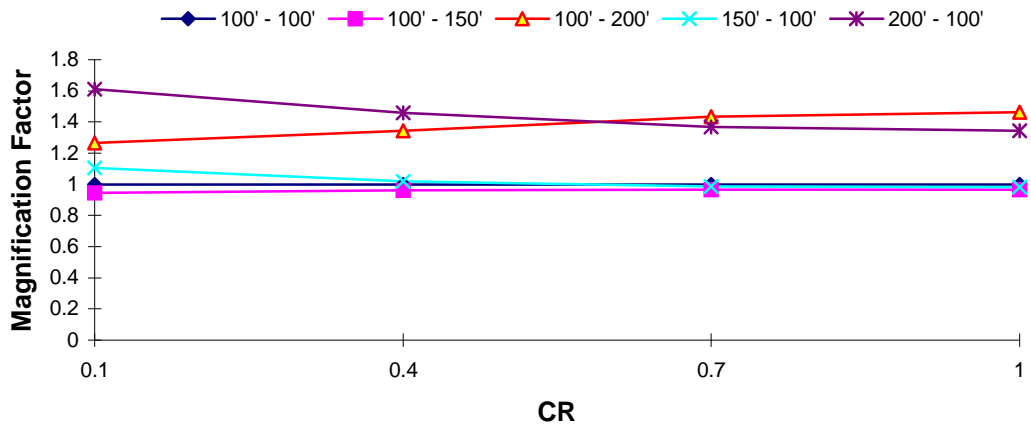
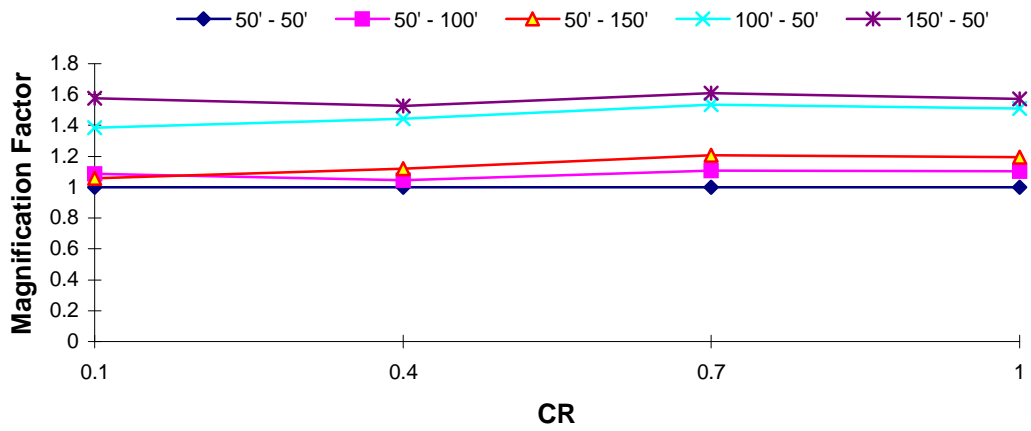
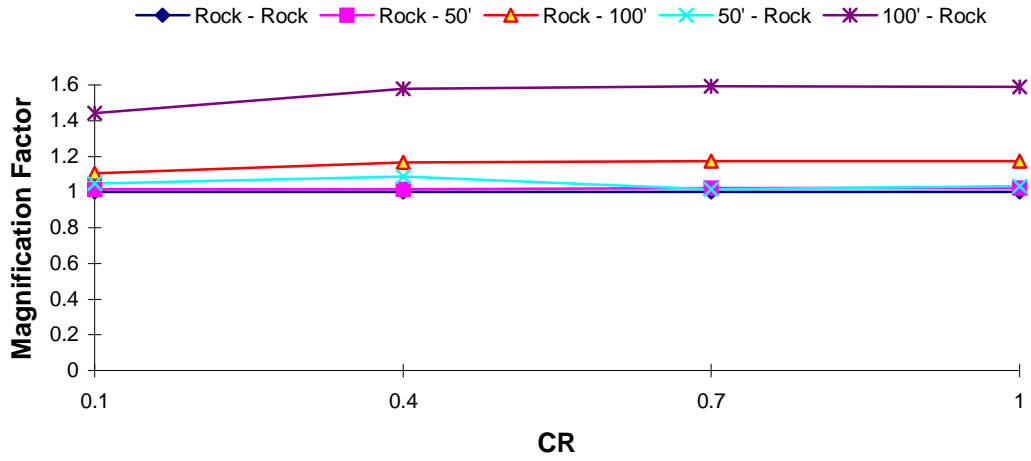
**DOF 1 Magnification Factor : Northridge EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.1$**



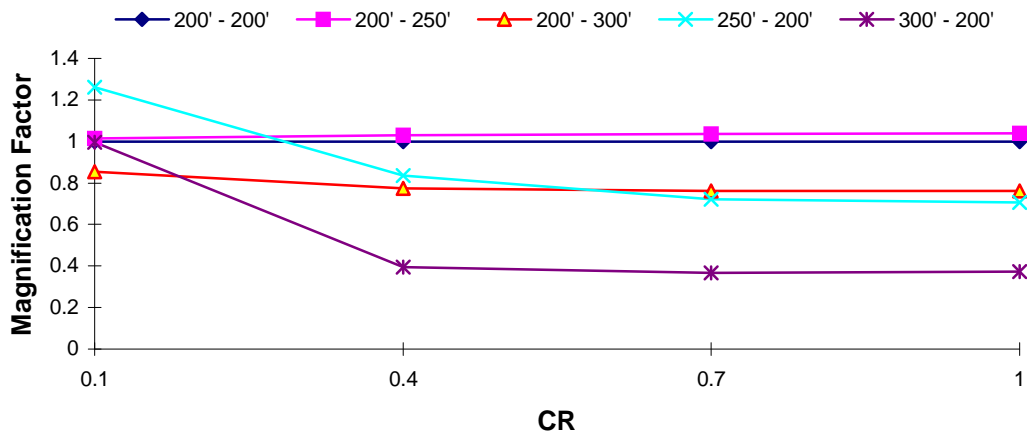
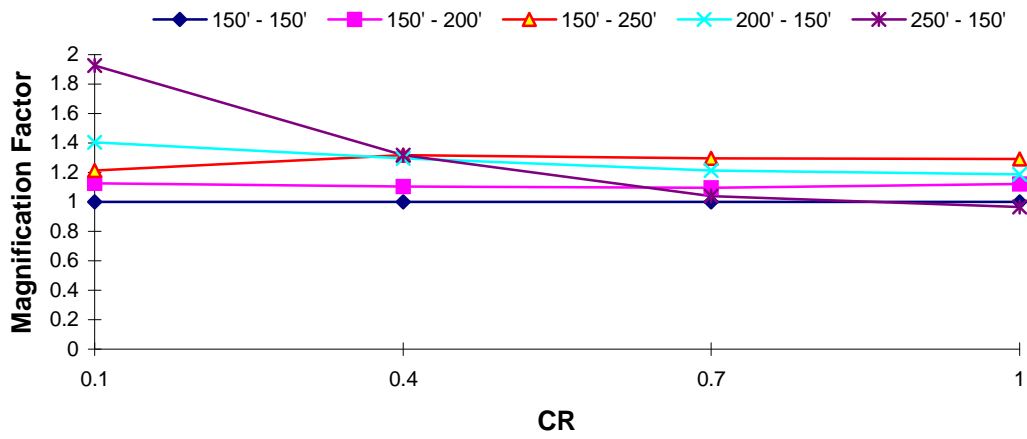
DOF 2 Magnification Factor : Northridge EQ  
 $T_1 = 2.0$  s,  $TR = 0.1$



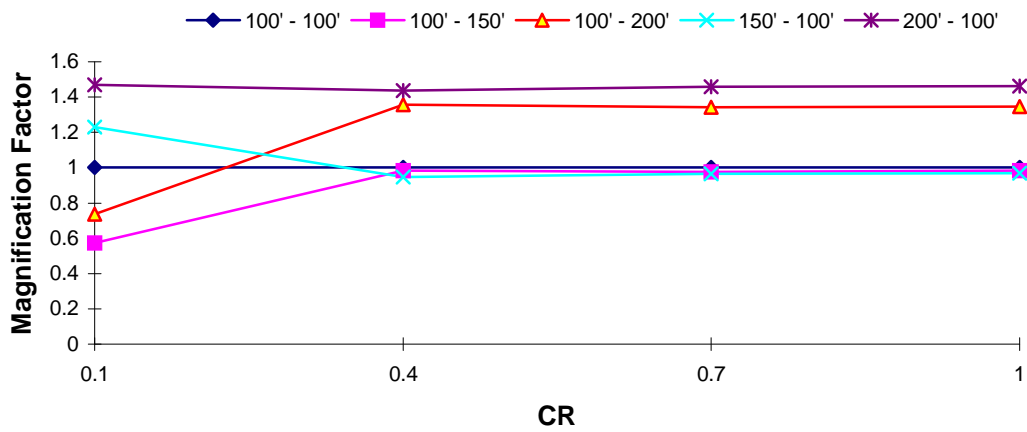
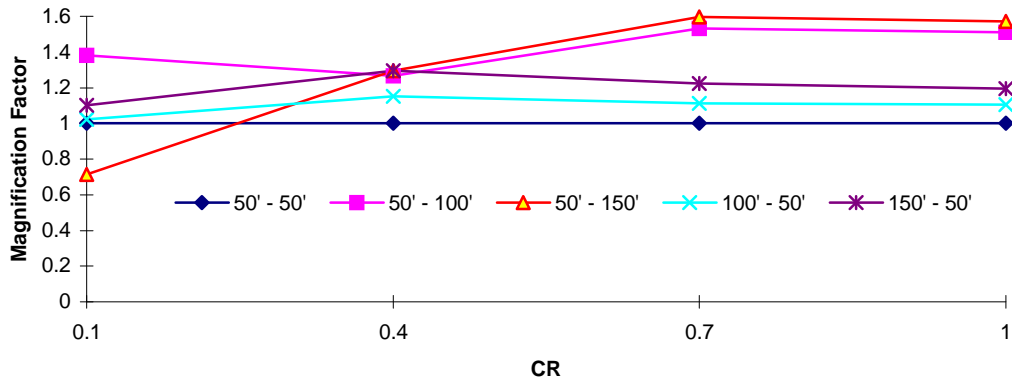
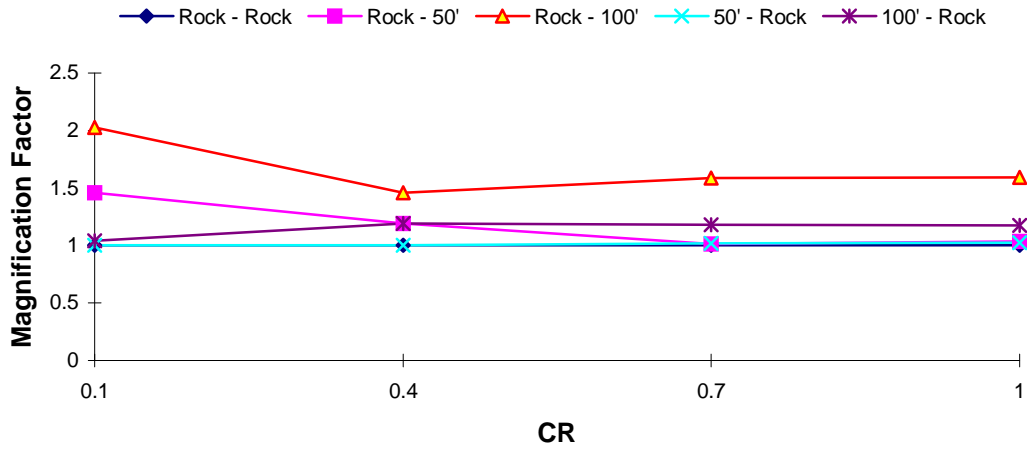
**DOF 2 Magnification Factor : Northridge EQ**  
 $T_1 = 2.0$  s,  $TR = 0.1$



**DOF 1 Magnification Factor : Taft EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**

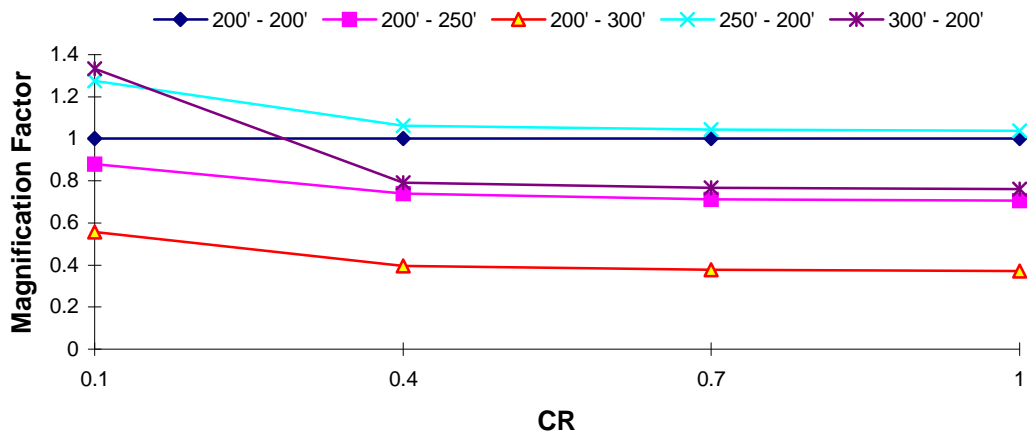
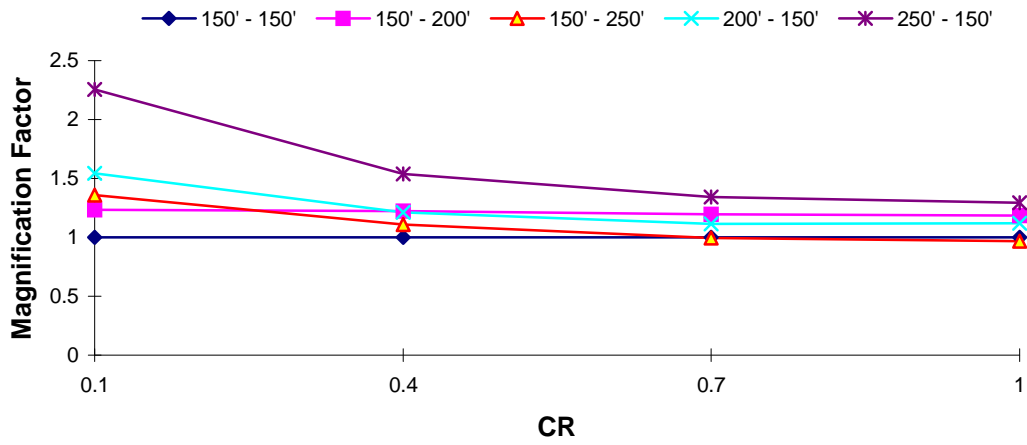


**DOF 1 Magnification Factor : Taft EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**

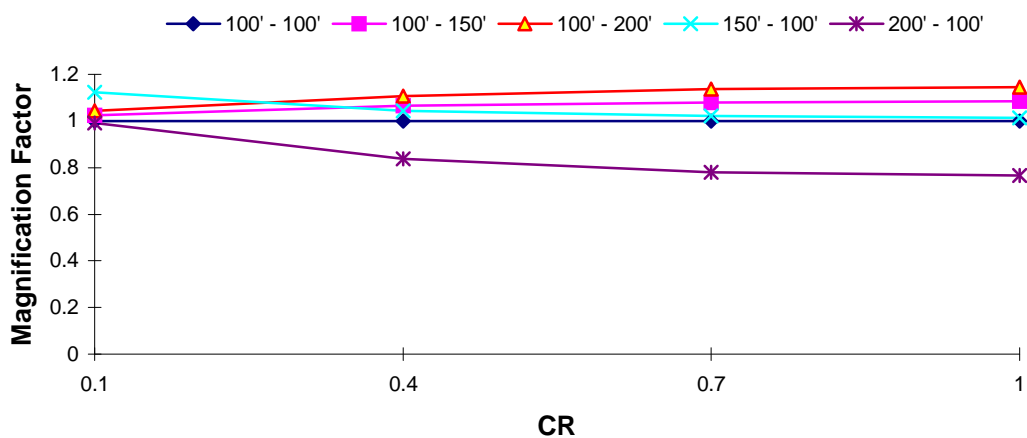
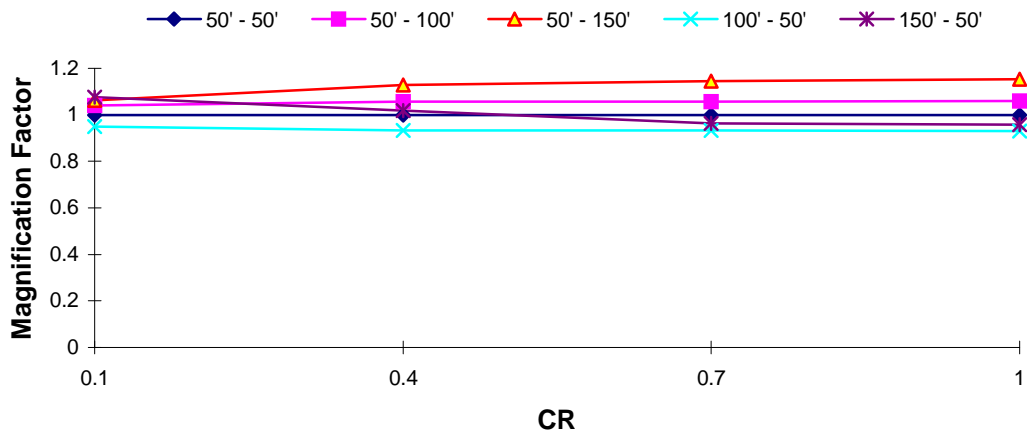
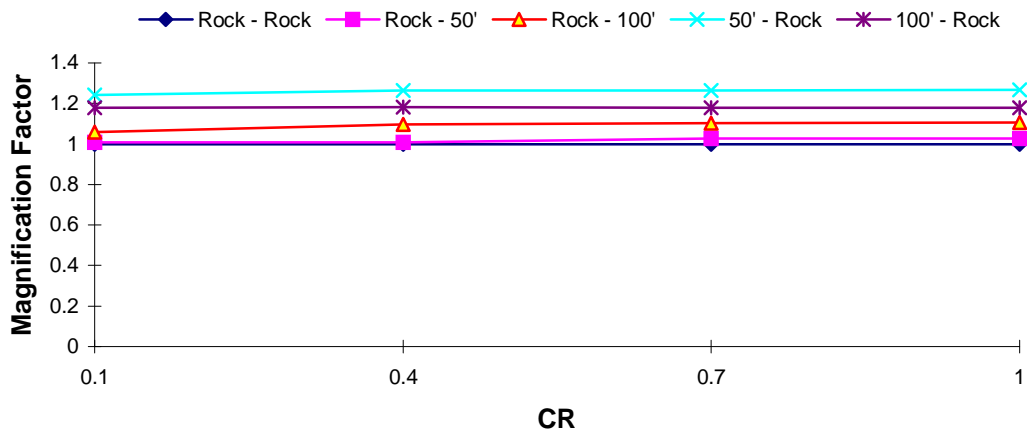


**DOF 2 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 0.4$

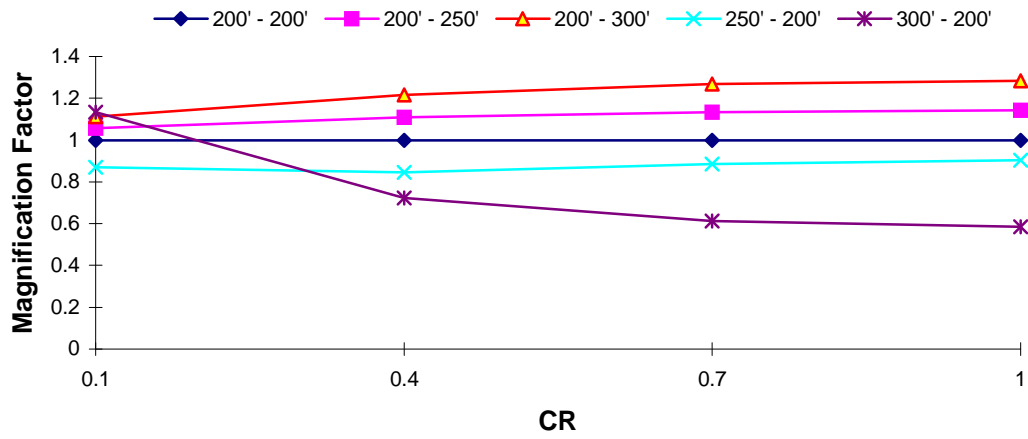
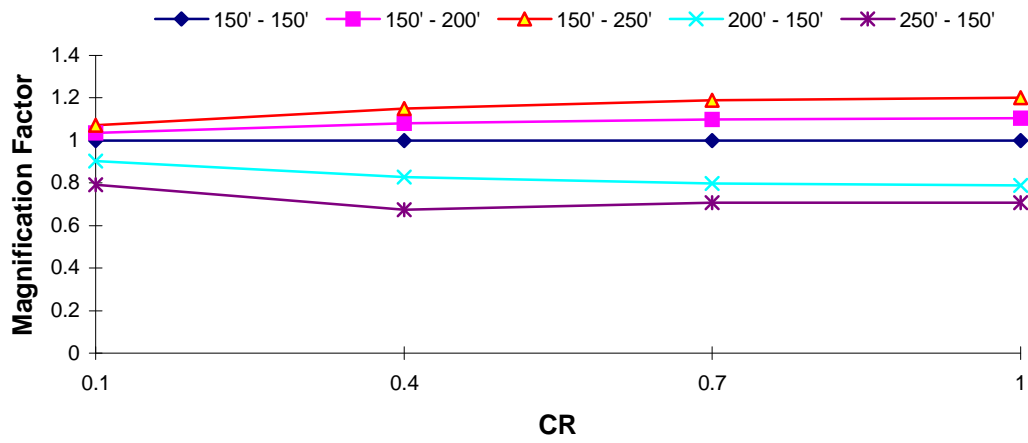




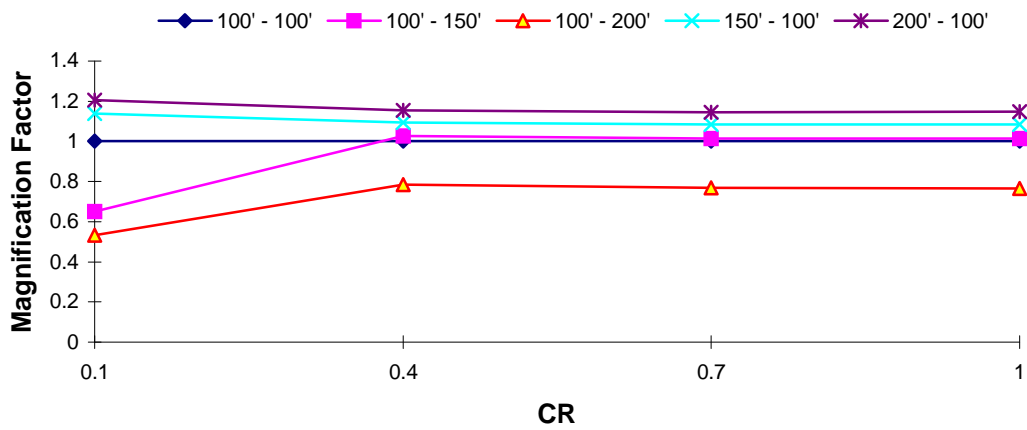
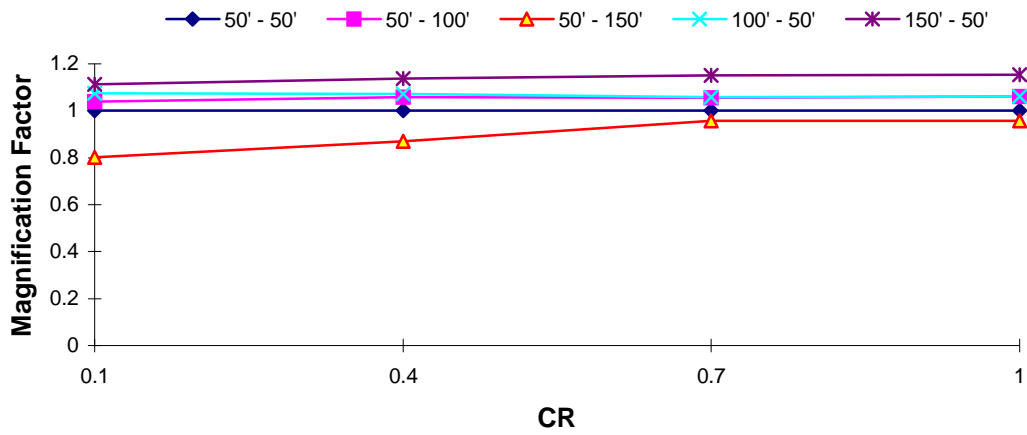
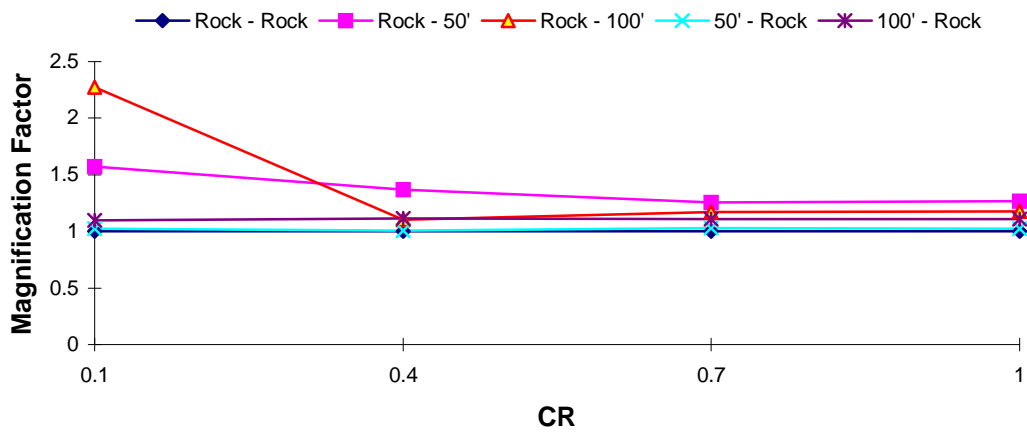
**DOF 2 Magnification Factor : Taft EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**



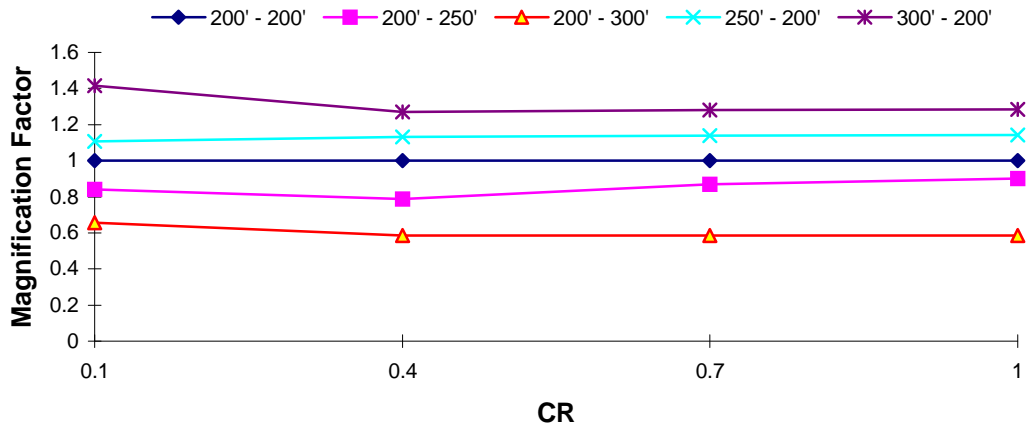
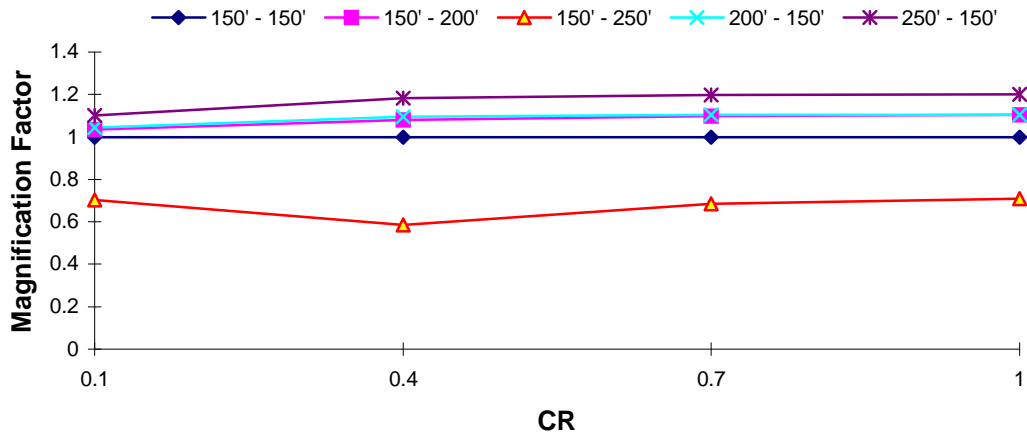
**DOF 1 Magnification Factor : El Centro EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**



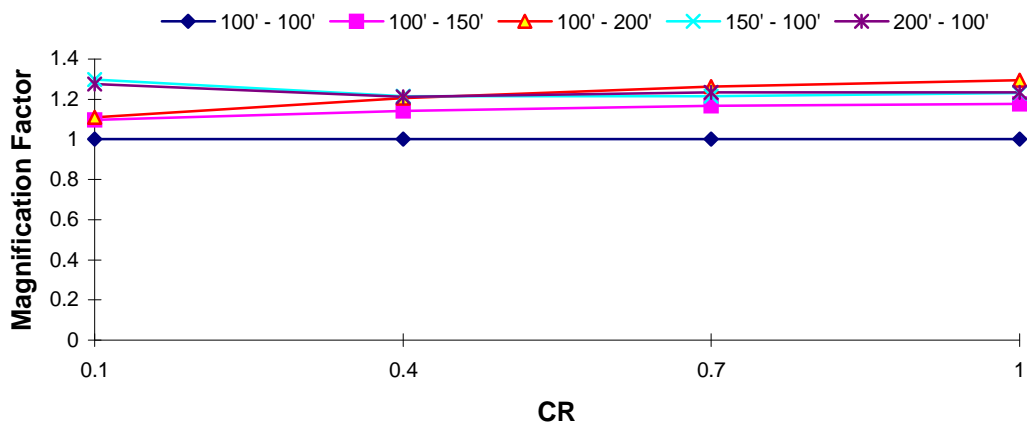
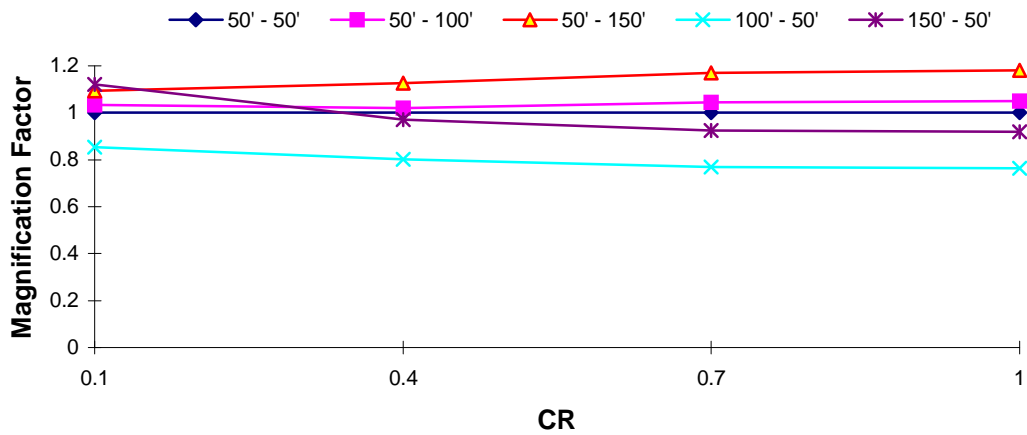
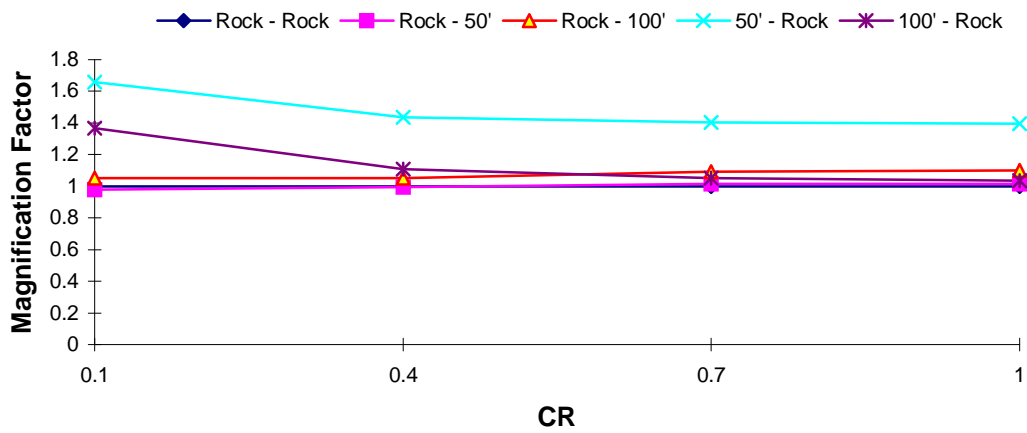
**DOF 1 Magnification Factor : El Centro EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**



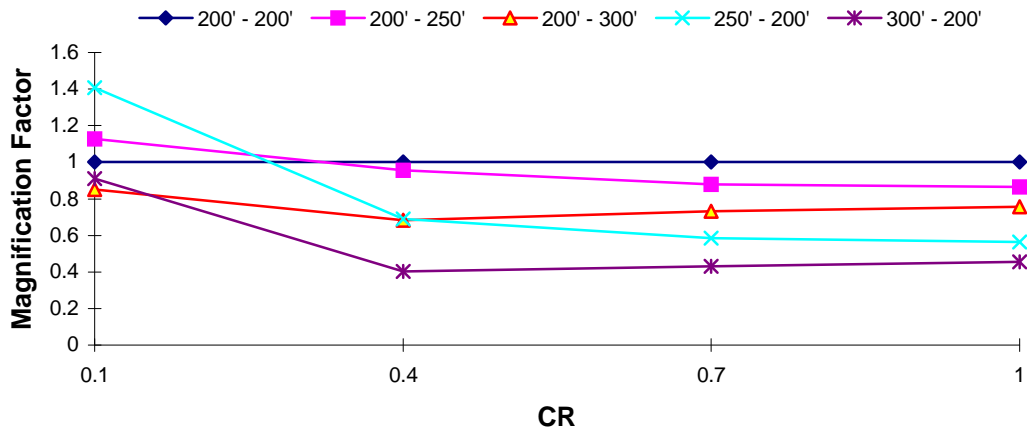
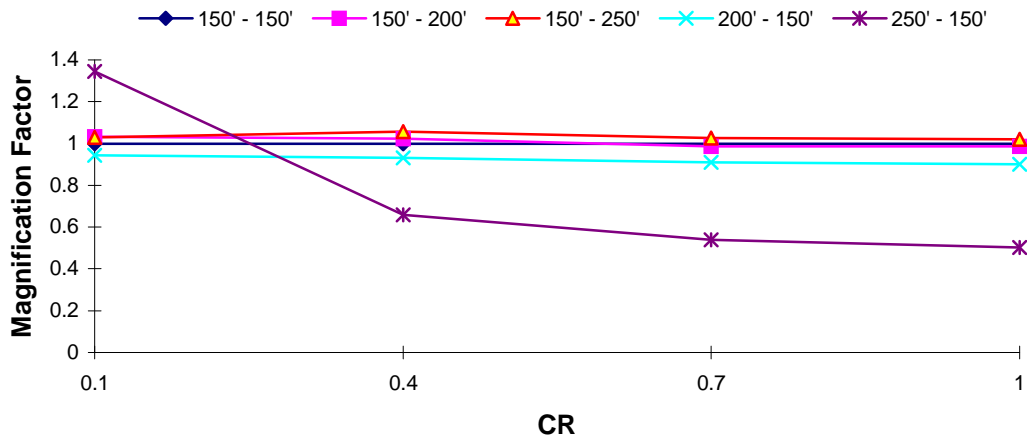
**DOF 2 Magnification Factor : El Centro EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**



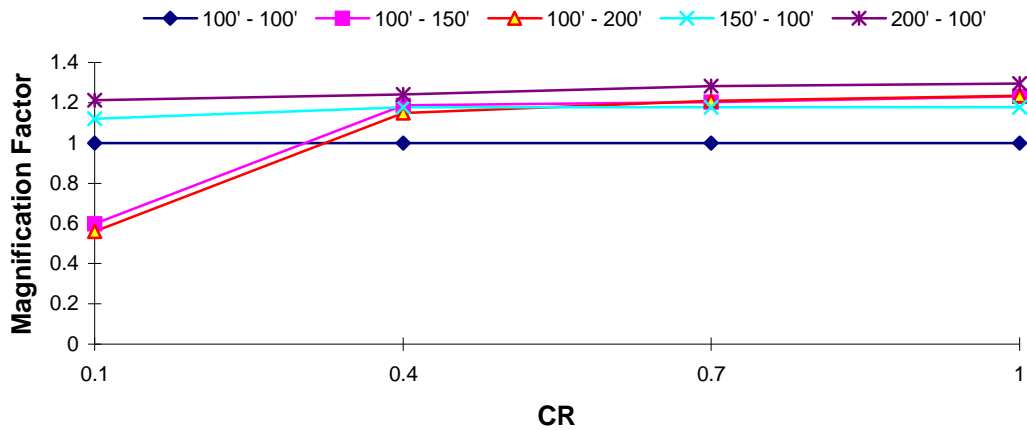
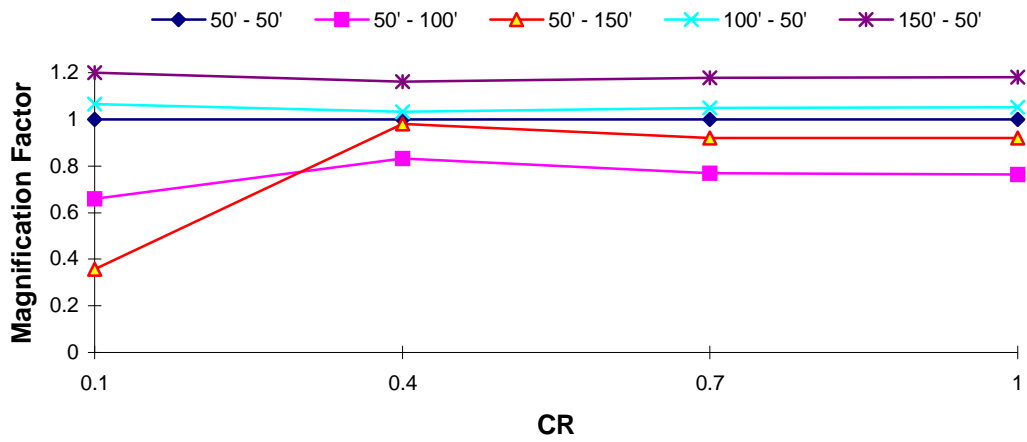
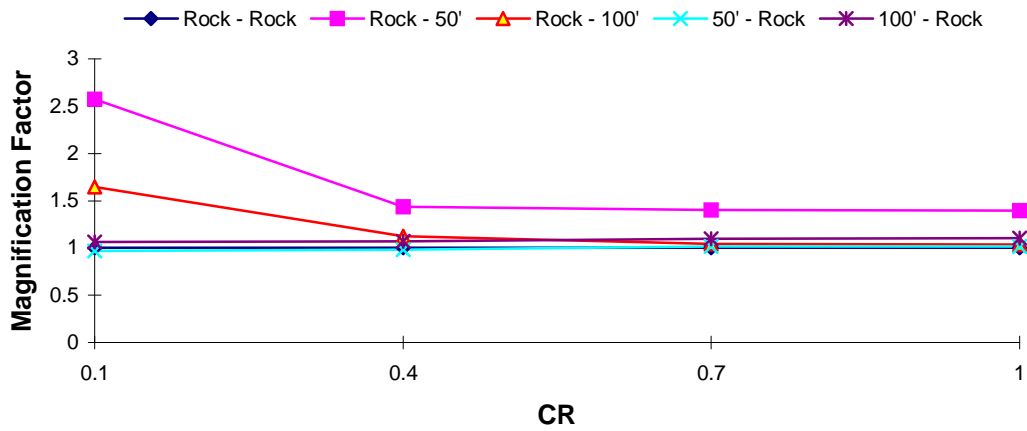
**DOF 2 Magnification Factor : El Centro EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**



**DOF 1 Magnification Factor : Northridge EQ**  
 $T_1 = 2.0$  s,  $T_R = 0.4$

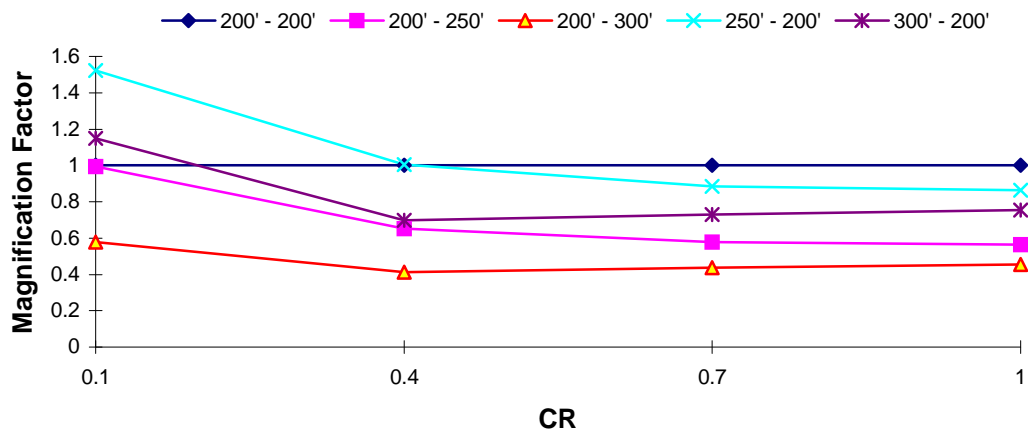
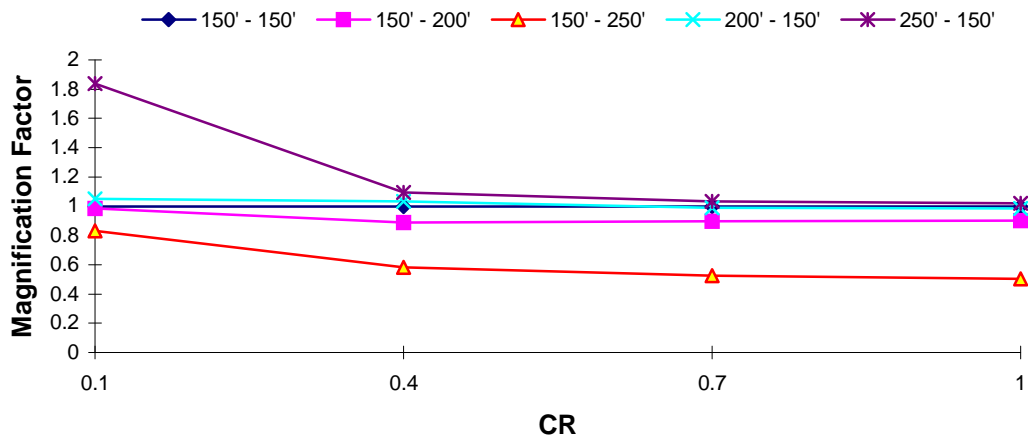


**DOF 1 Magnification Factor : Northridge EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**

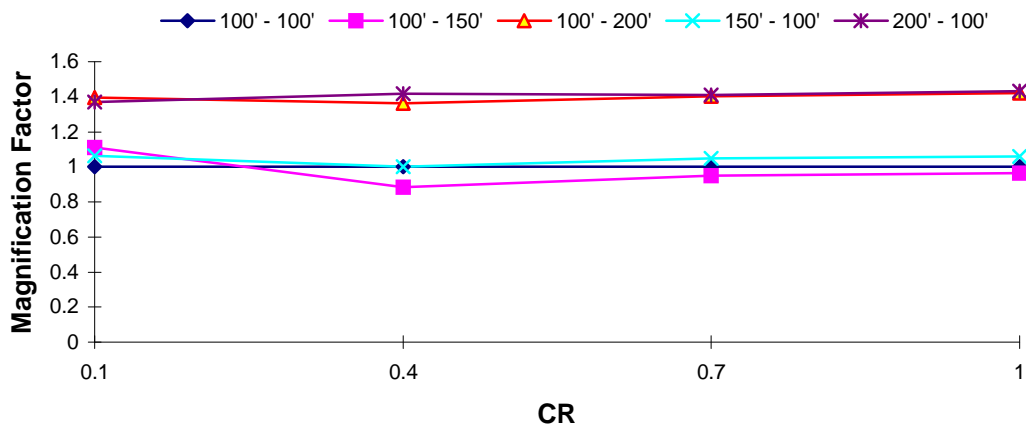
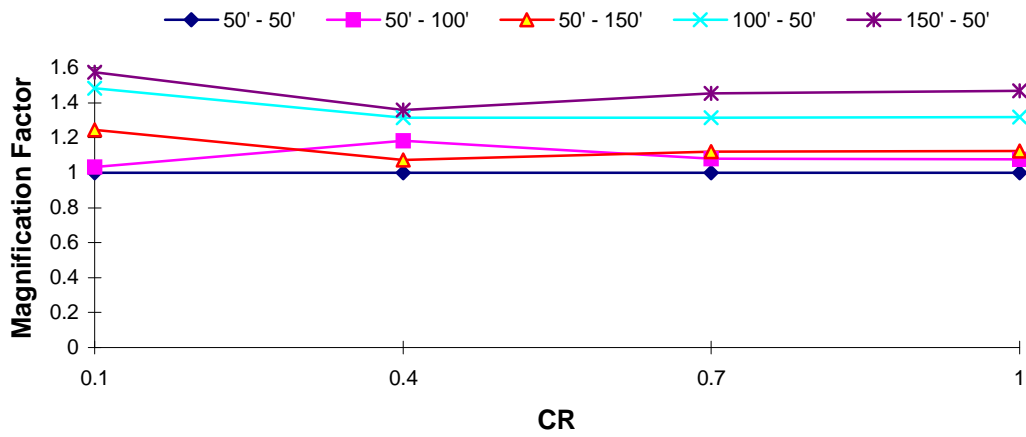
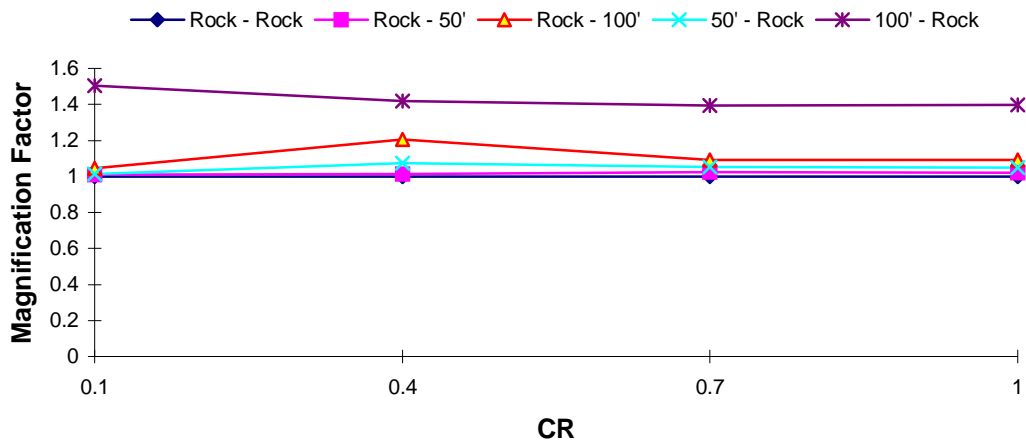


**DOF 2 Magnification Factor : Northridge EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.4$**

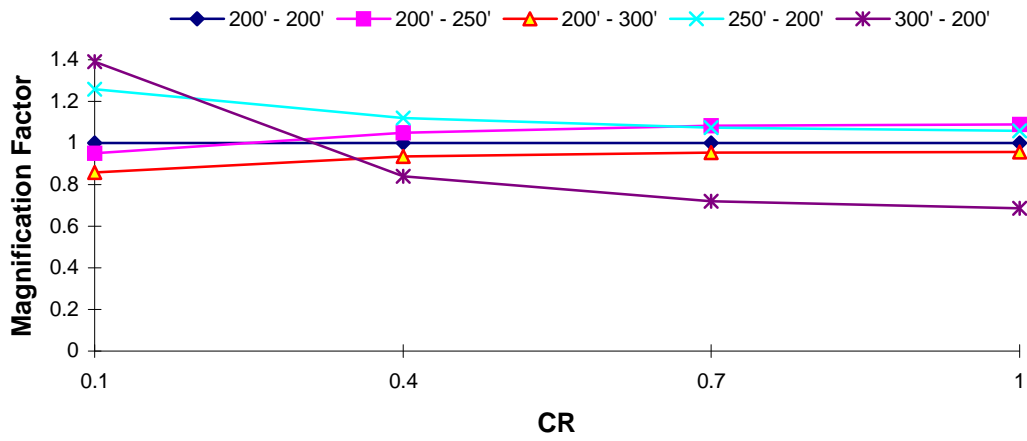
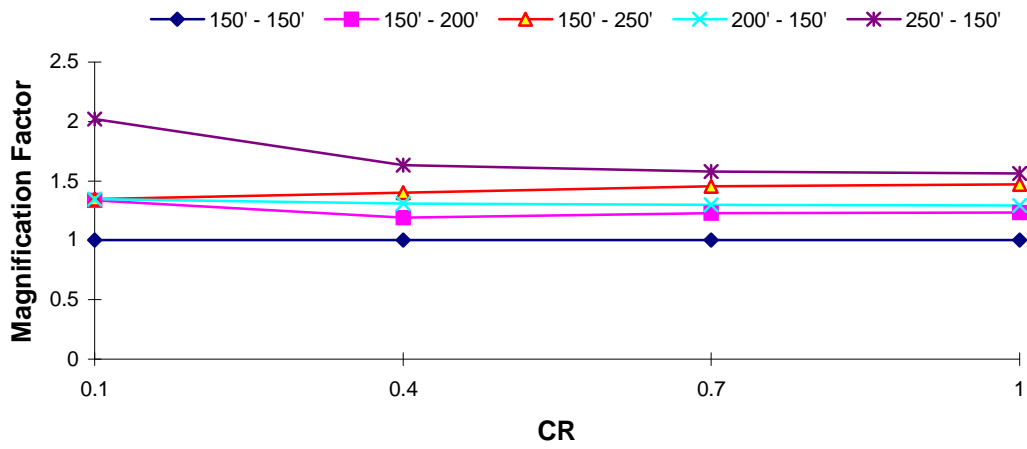




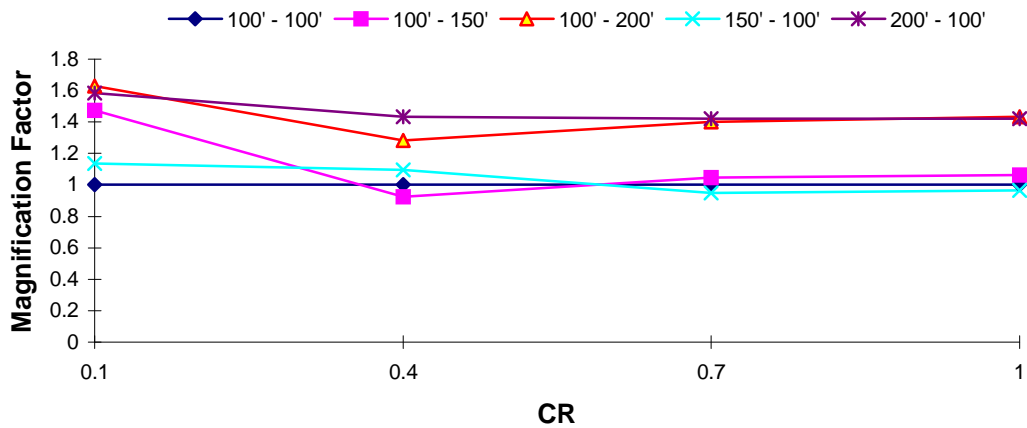
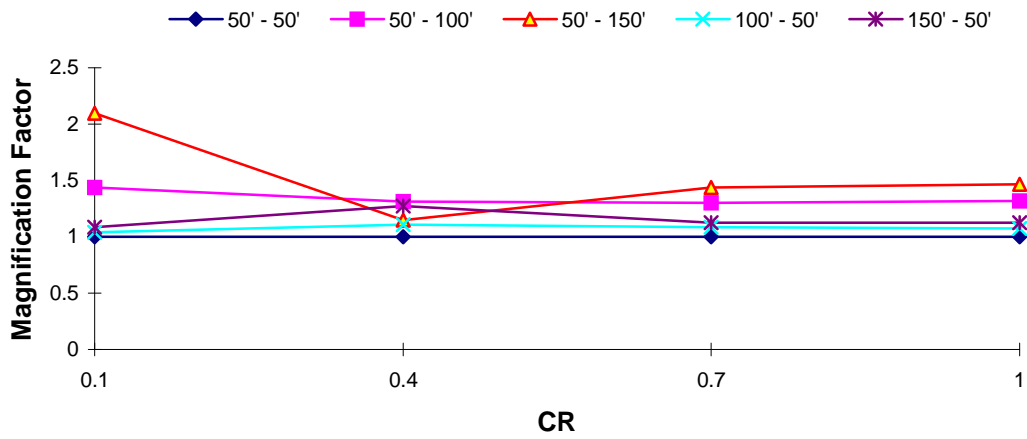
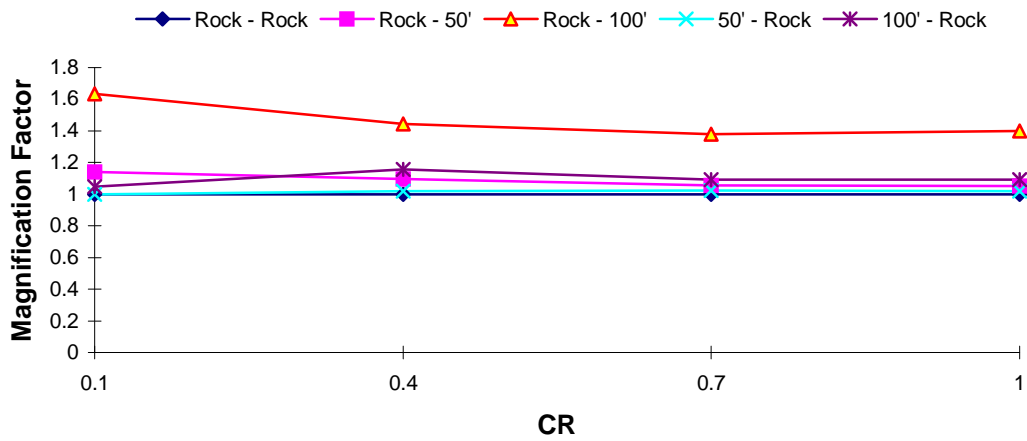
**DOF 2 Magnification Factor : Northridge EQ**  
 **$T_1 = 2.0$  s,  $T_R = 0.4$**



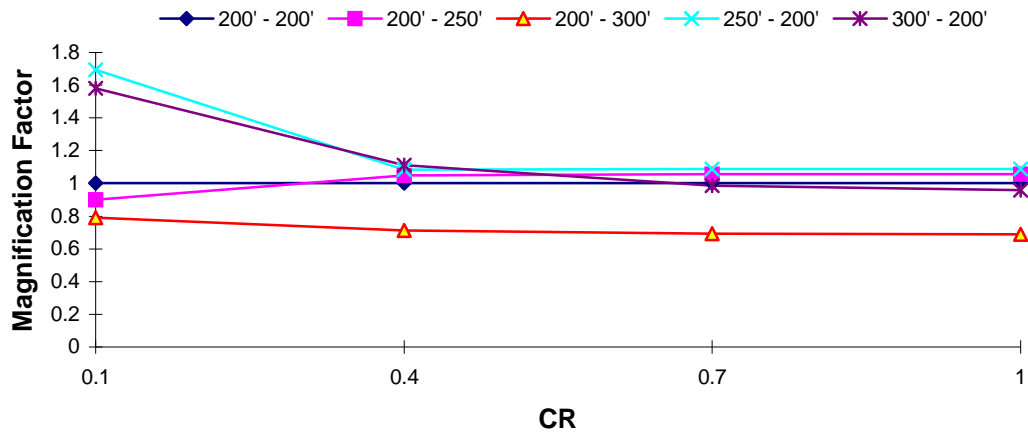
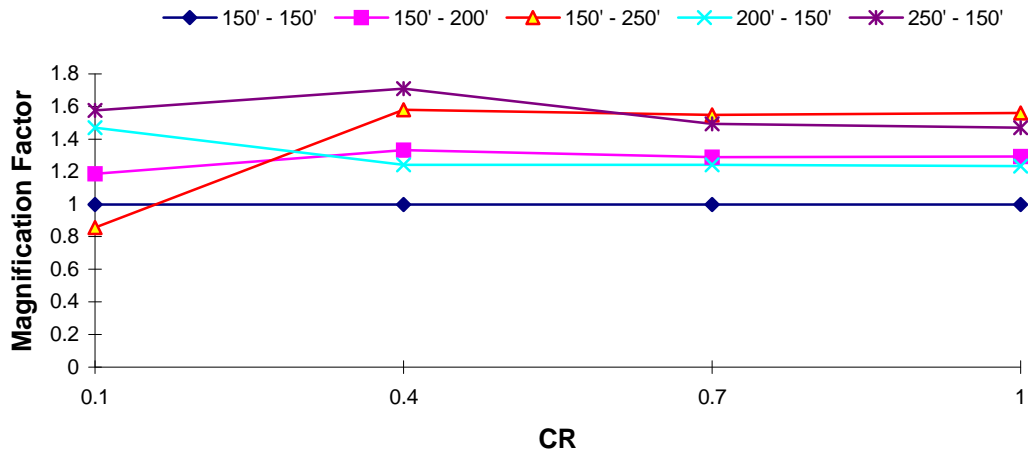
**DOF 1 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 0.7$



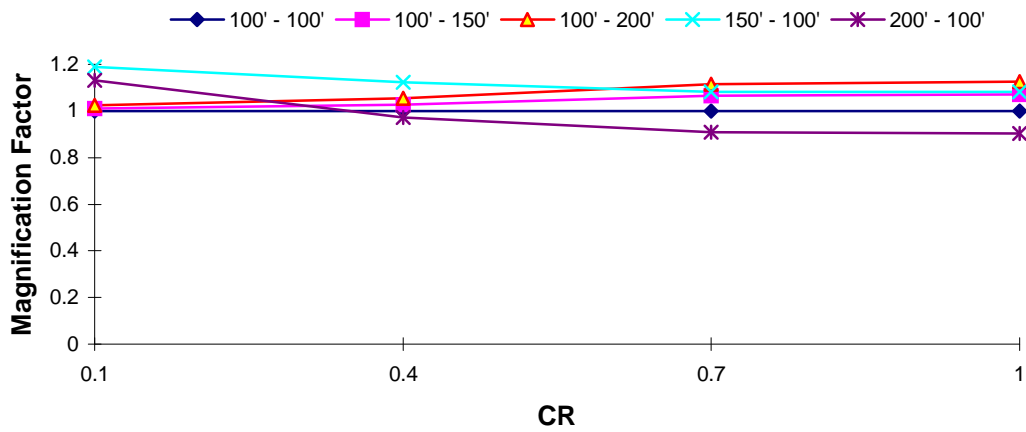
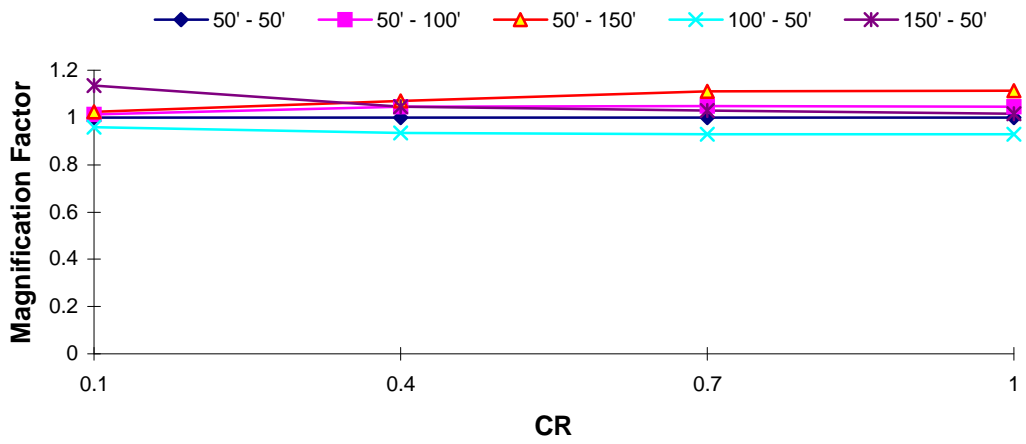
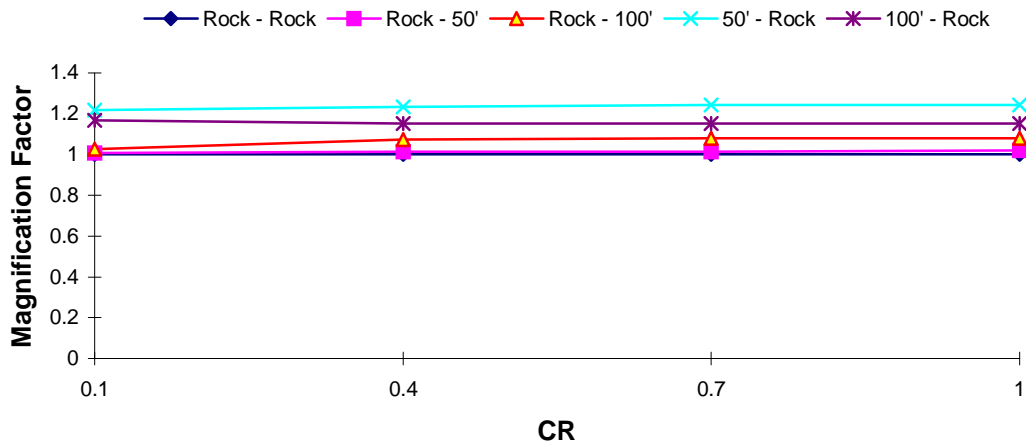
**DOF 1 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 0.7$



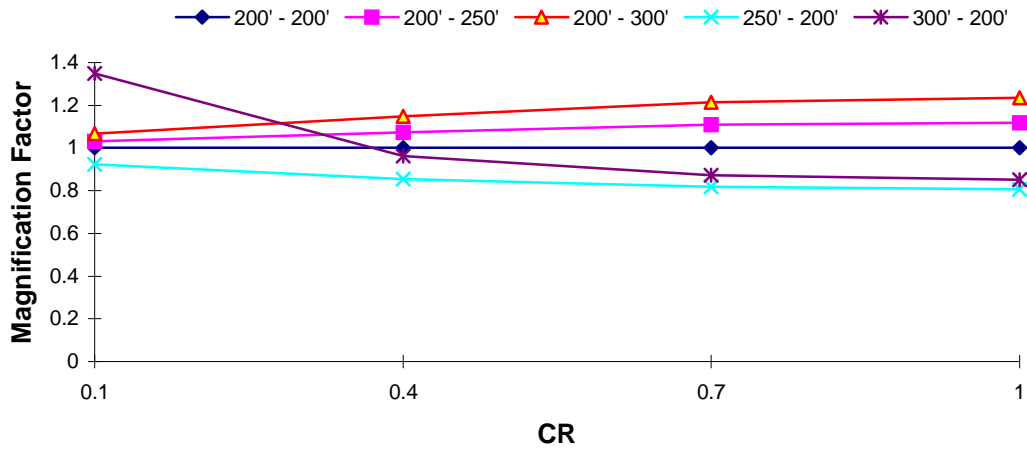
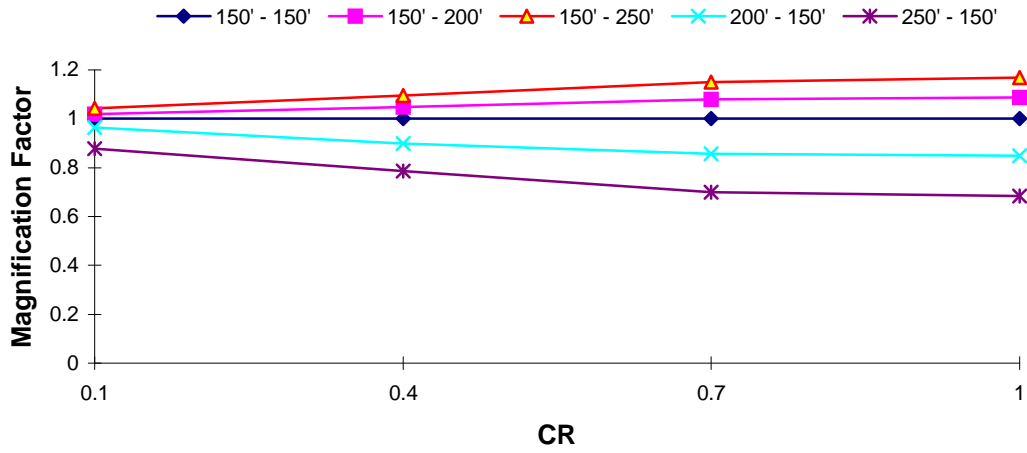
**DOF 2 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 0.7$



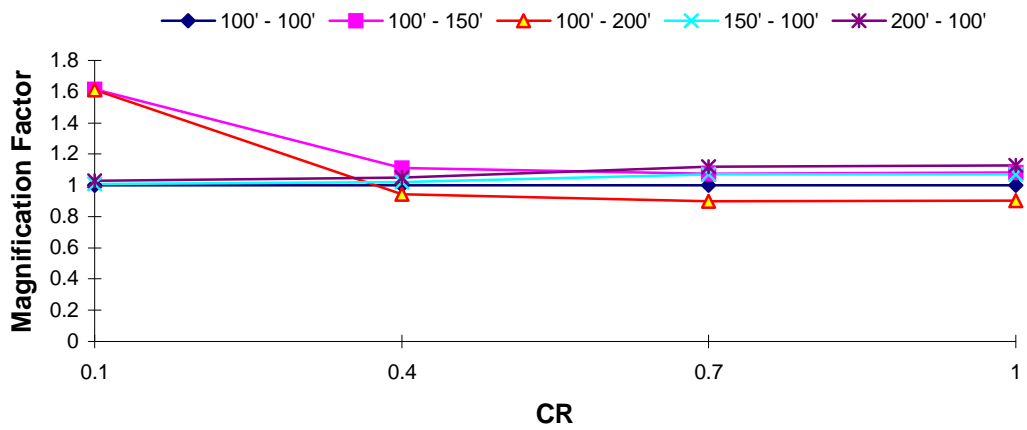
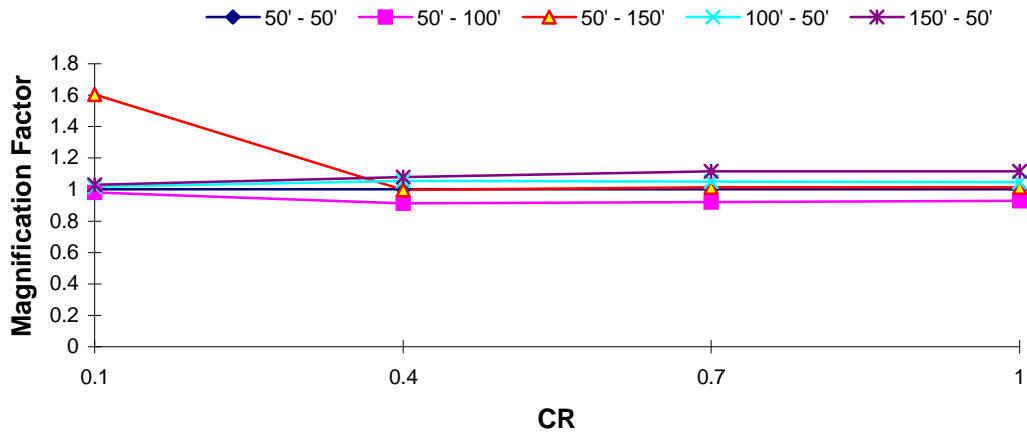
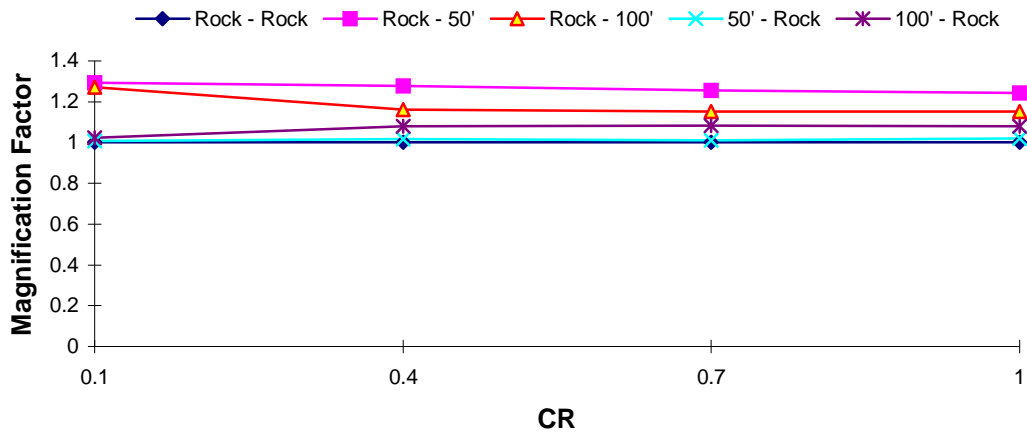
**DOF 2 Magnification Factor : Taft EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.7$**



**DOF 1 Magnification Factor : El Centro EQ**  
 $T_1 = 2.0$  s,  $TR = 0.7$

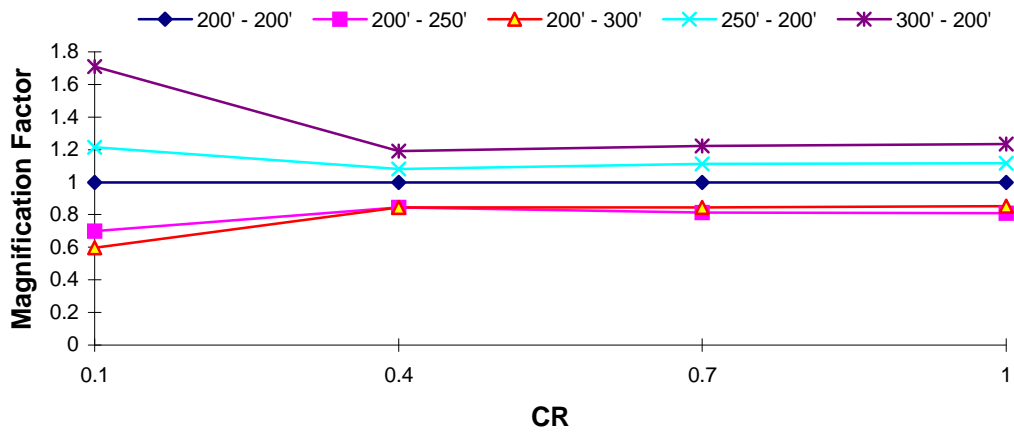
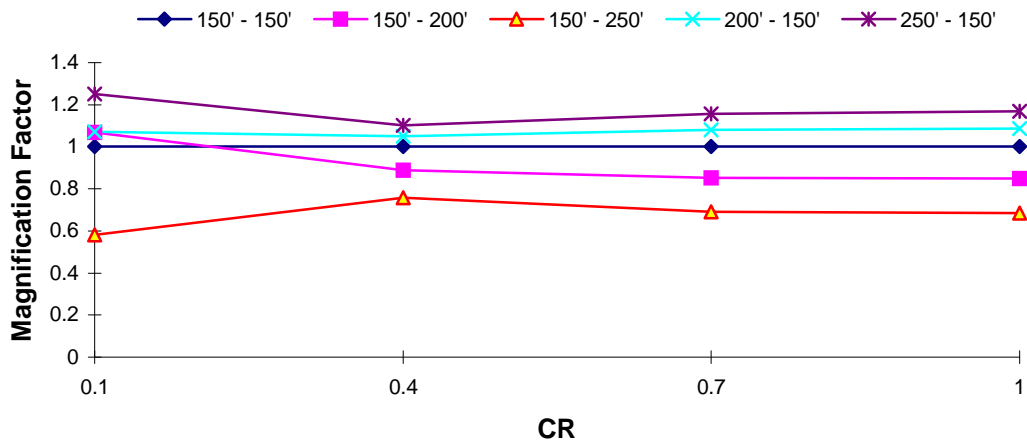


**DOF 1 Magnification Factor : El Centro EQ**  
 $T_1 = 2.0$  s,  $TR = 0.7$

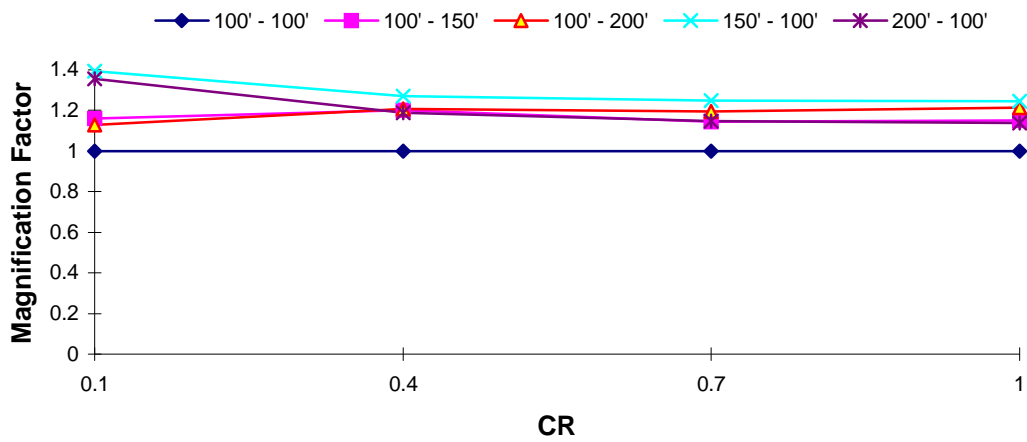
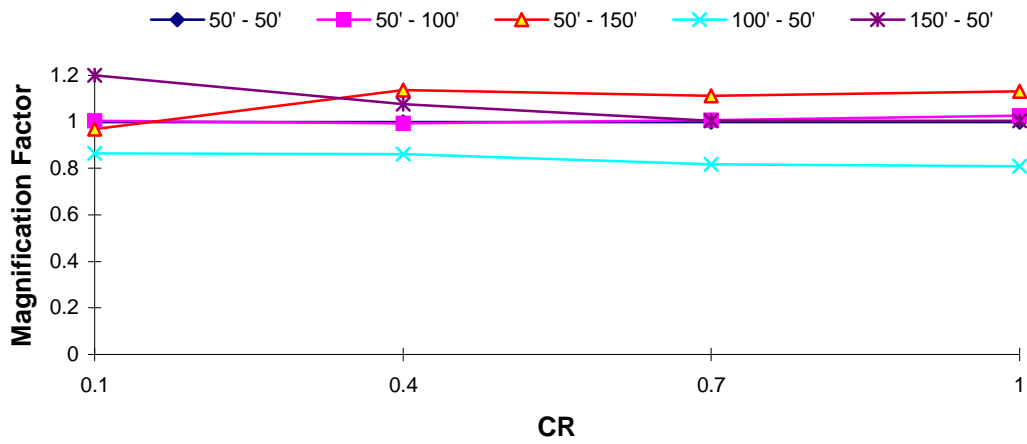
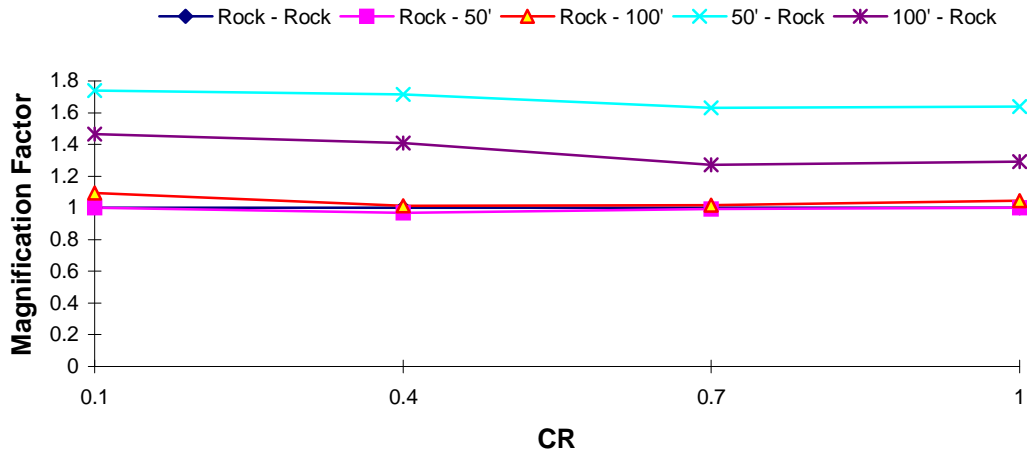


**DOF 2 Magnification Factor : El Centro EQ**  
 $T_1 = 2.0$  s,  $T_R = 0.7$

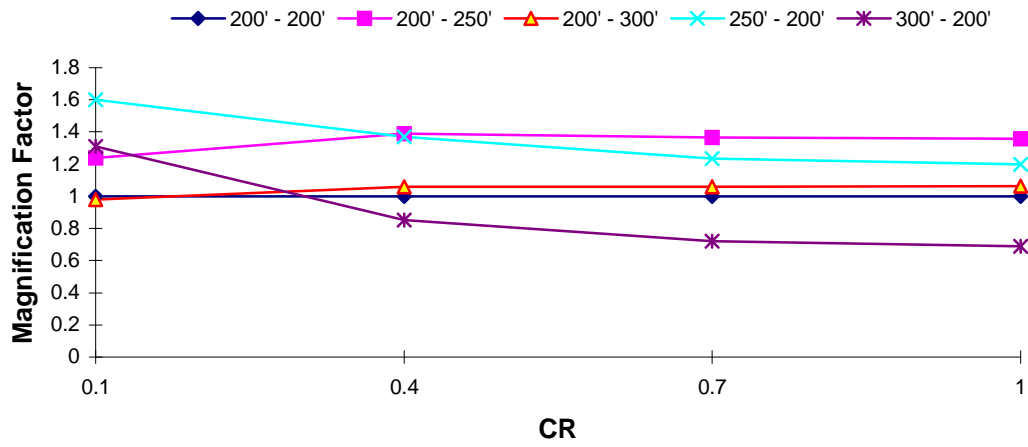
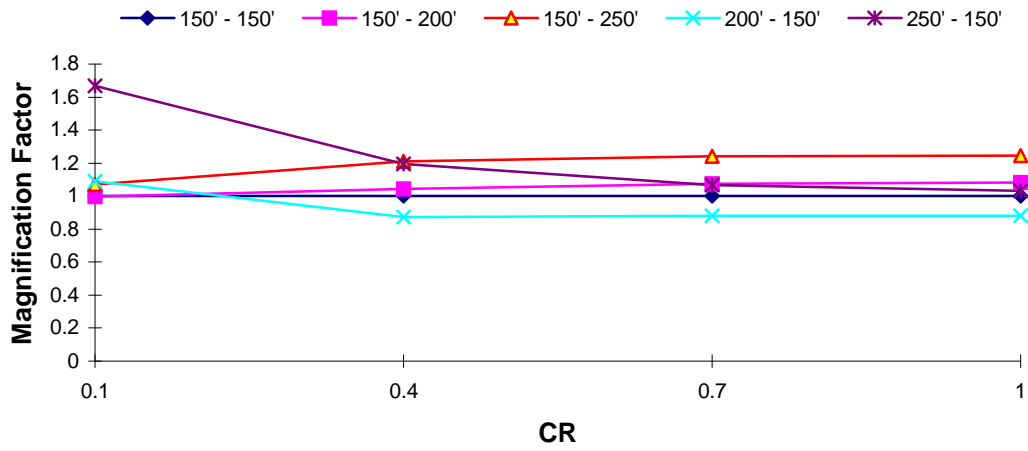




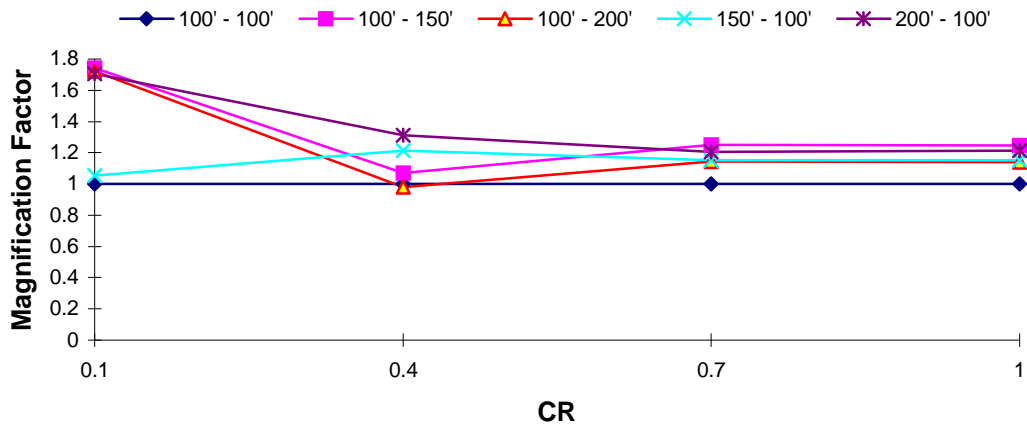
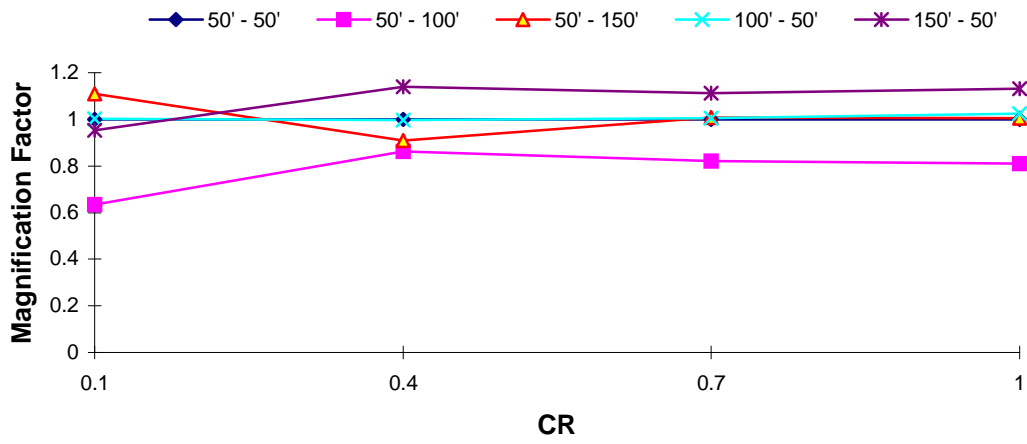
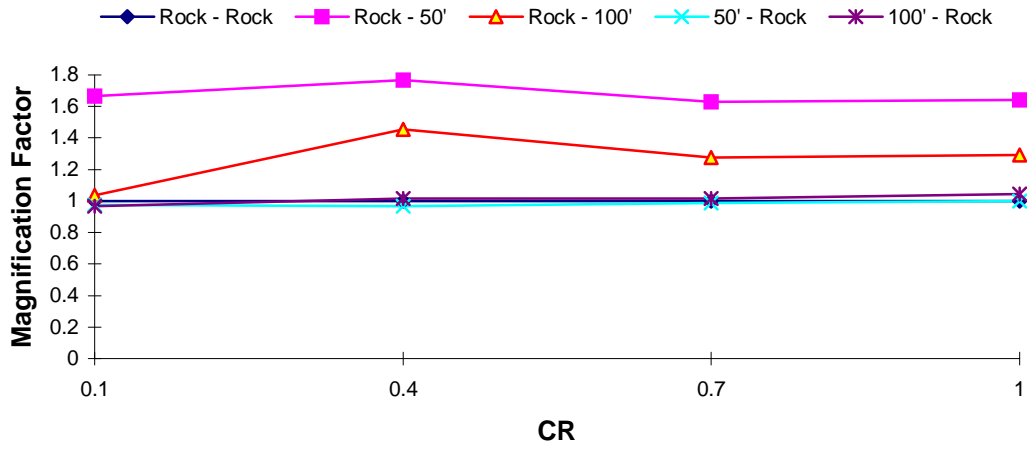
**DOF 2 Magnification Factor : El Centro EQ**  
 $T_1 = 2.0$  s,  $TR = 0.7$



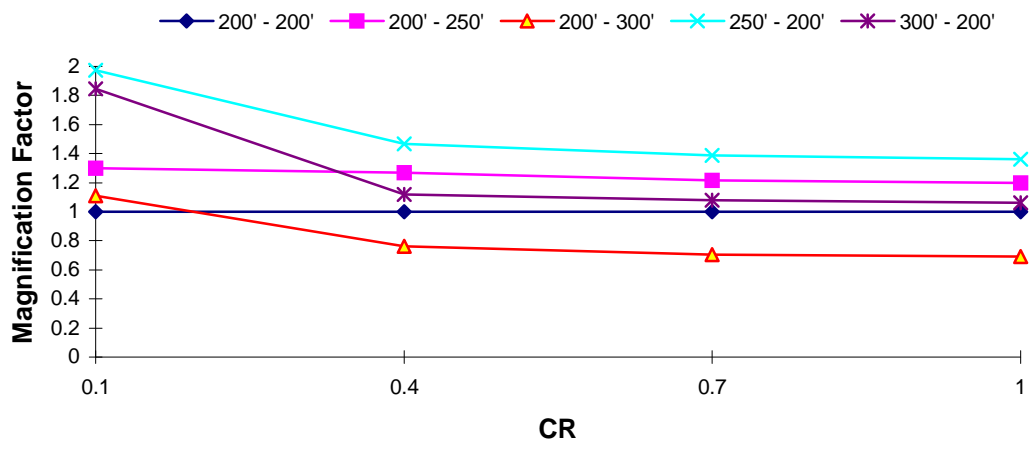
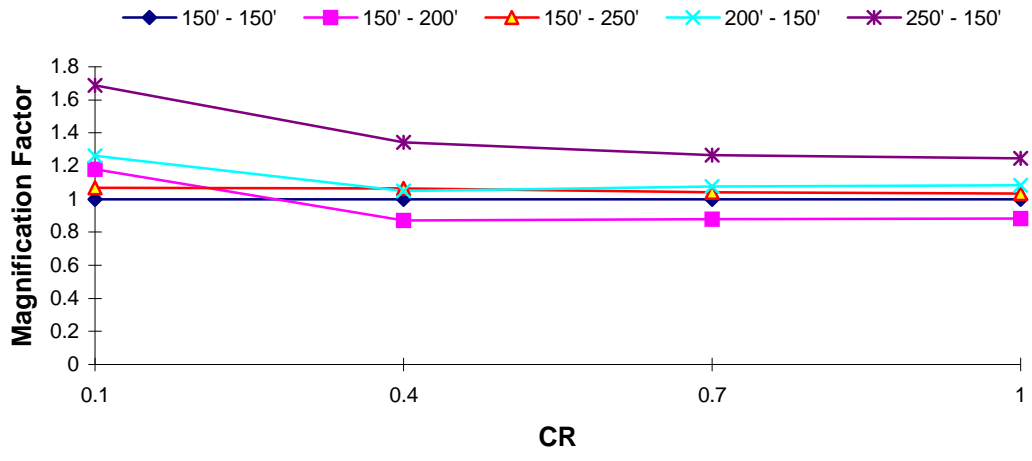
**DOF 1 Magnification Factor : Northridge EQ**  
**T<sub>1</sub> = 2.0 s, TR = 0.7**



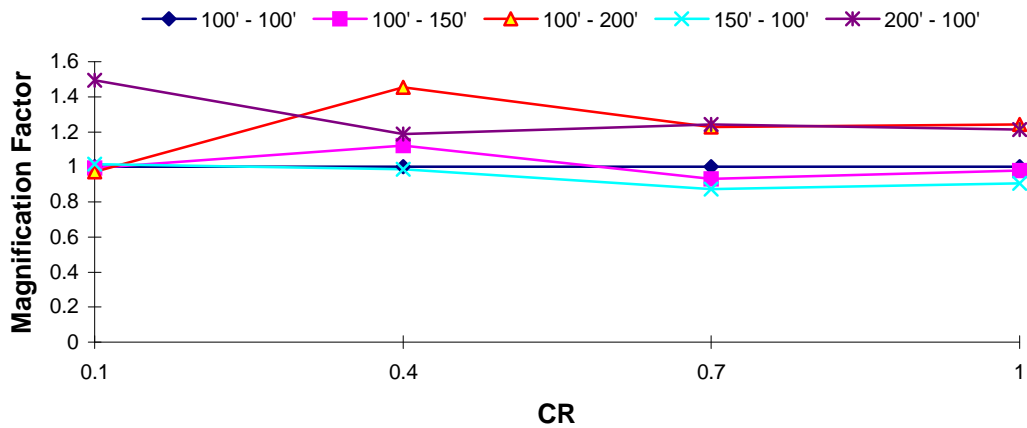
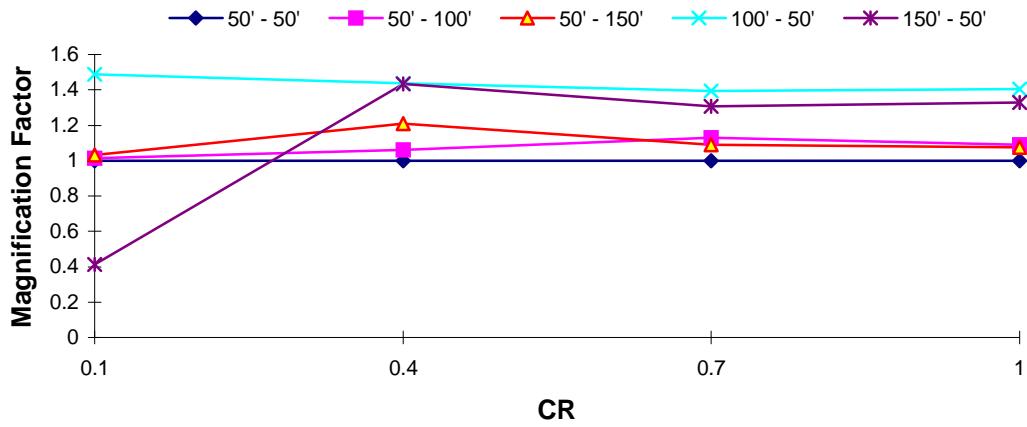
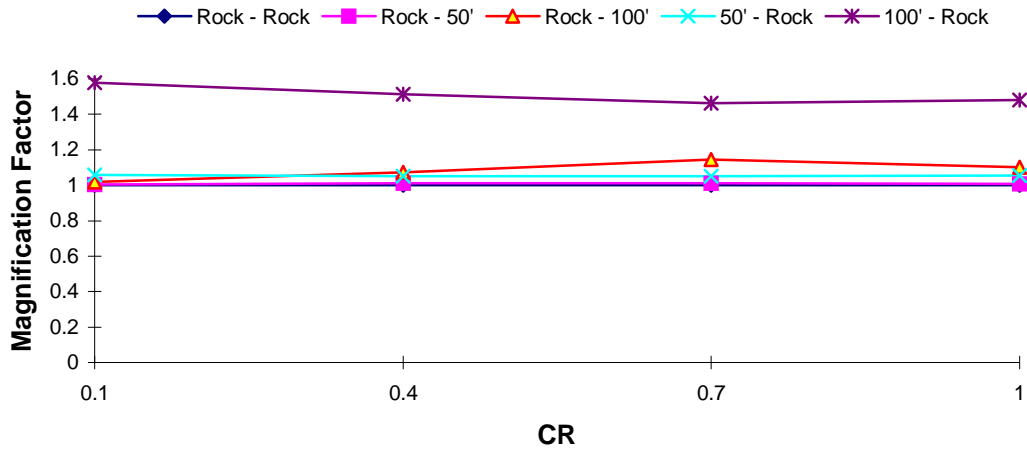
**DOF 1 Magnification Factor : Northridge EQ**  
 **$T_1 = 2.0$  s,  $TR = 0.7$**



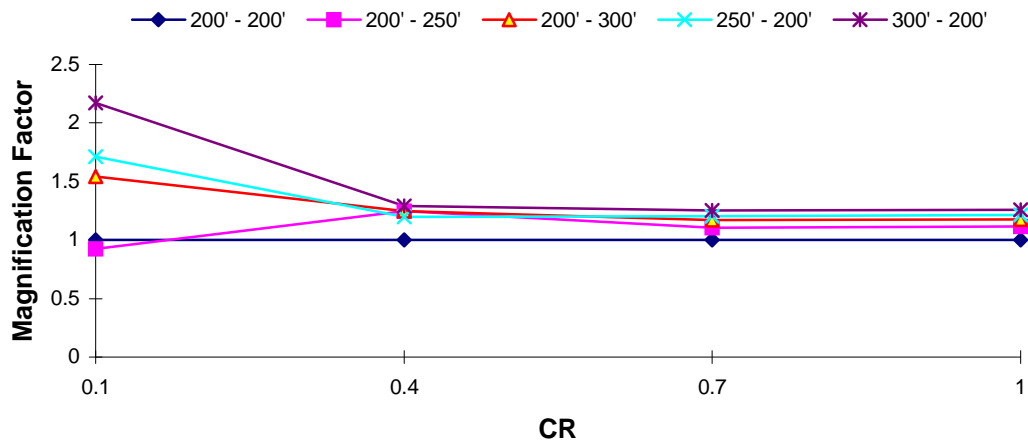
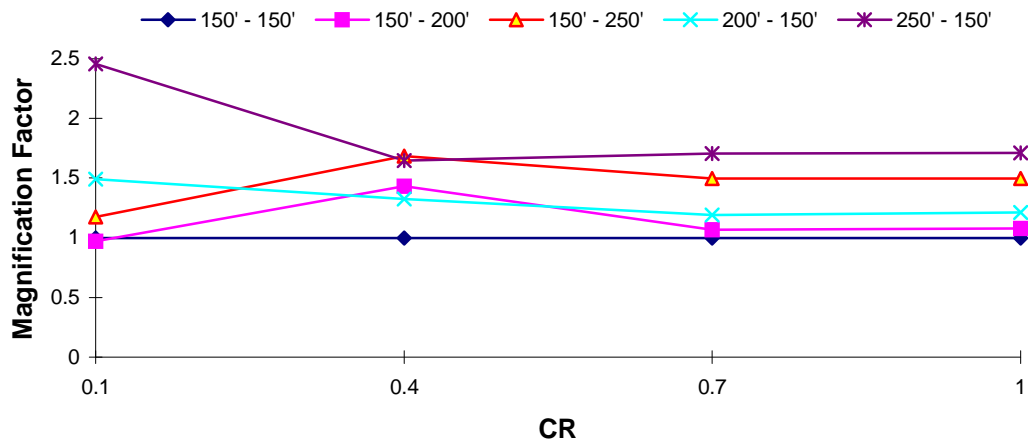
**DOF 2 Magnification Factor : Northridge EQ**  
 $T_1 = 2.0$  s,  $T_R = 0.7$



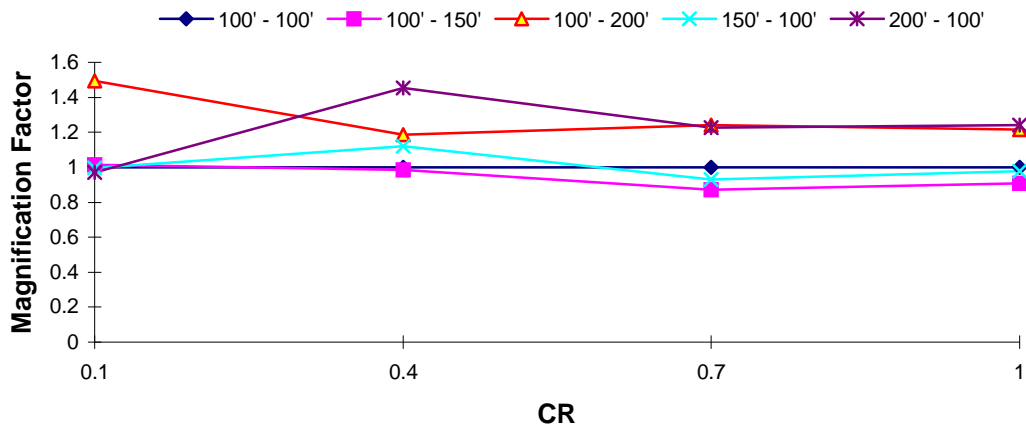
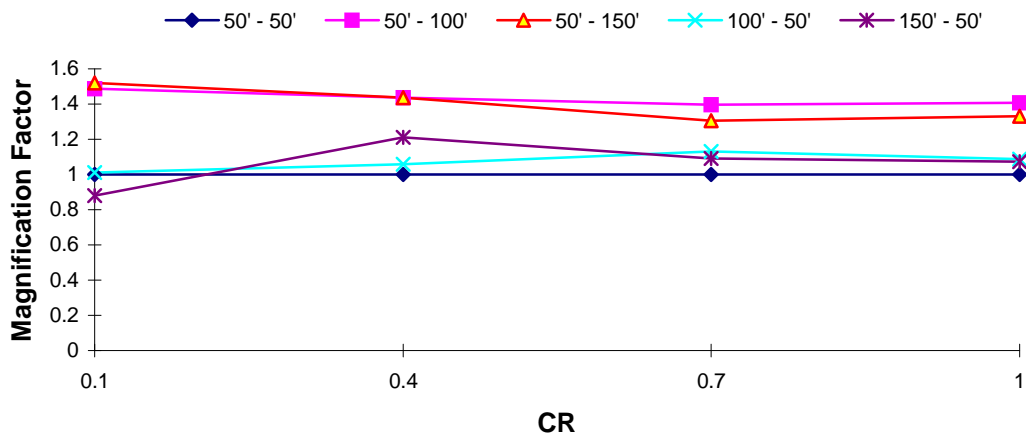
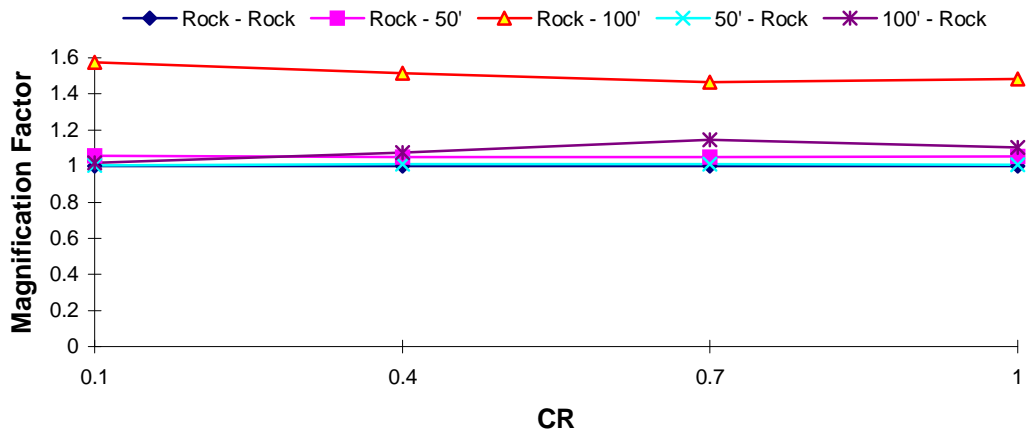
**DOF 2 Magnification Factor : Northridge EQ**  
**T<sub>1</sub> = 2.0 s, TR = 0.7**



**DOF 1 Magnification Factor : Taft EQ**  
 **$T_1 = 2.0$  s,  $TR = 1.0$**

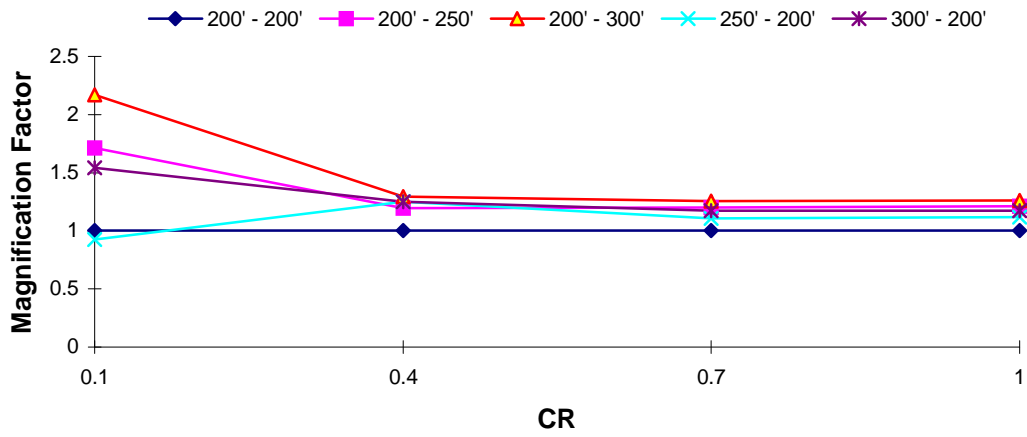
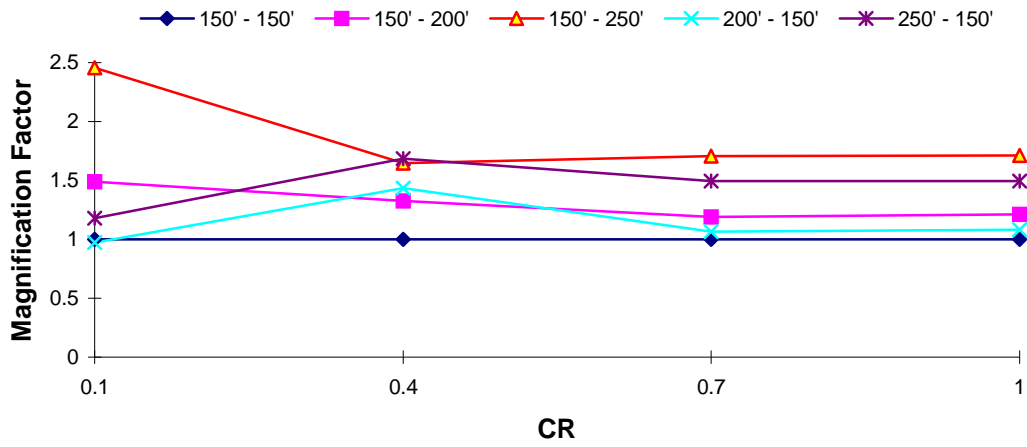


**DOF 1 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 1.0$

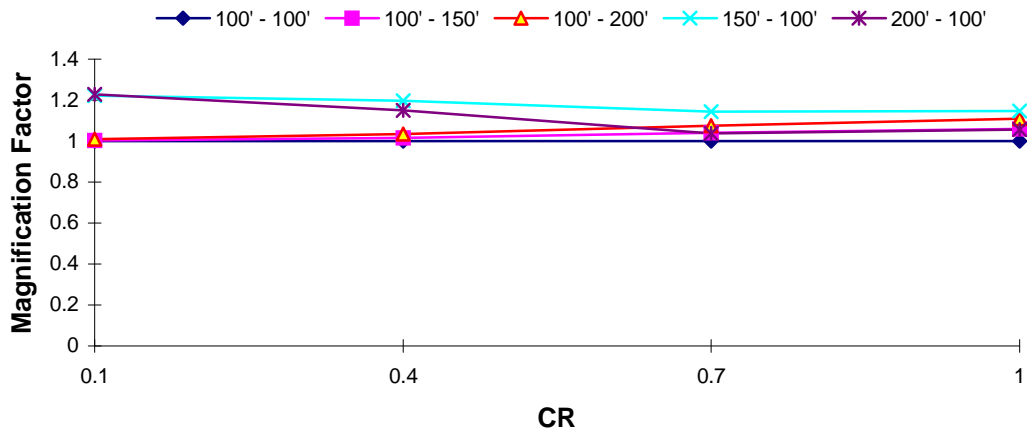
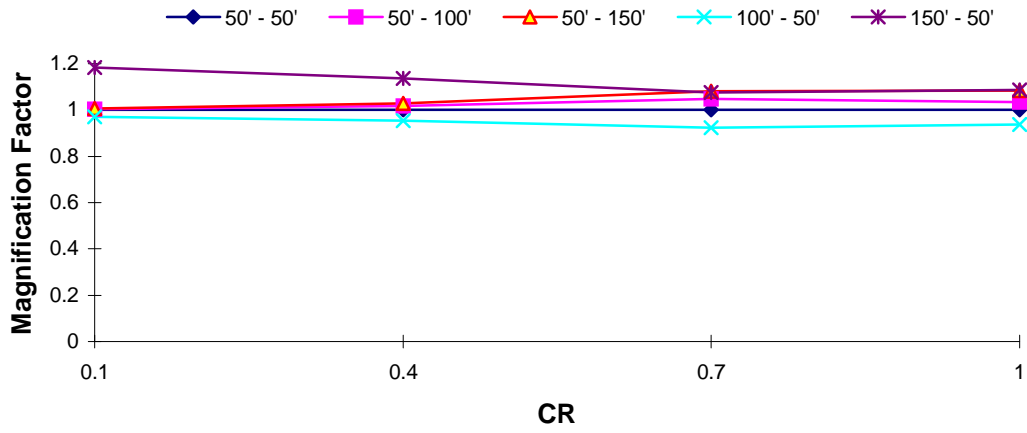
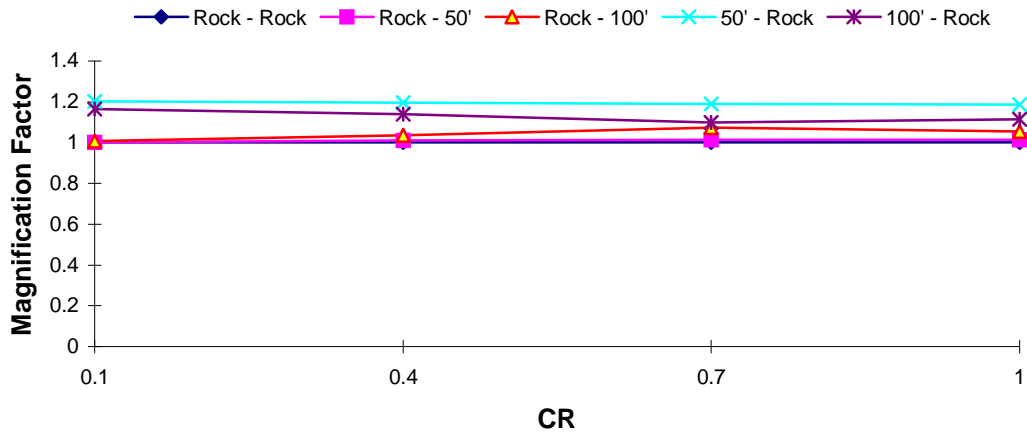


**DOF 2 Magnification Factor : Taft EQ**  
 $T_1 = 2.0$  s,  $TR = 1.0$

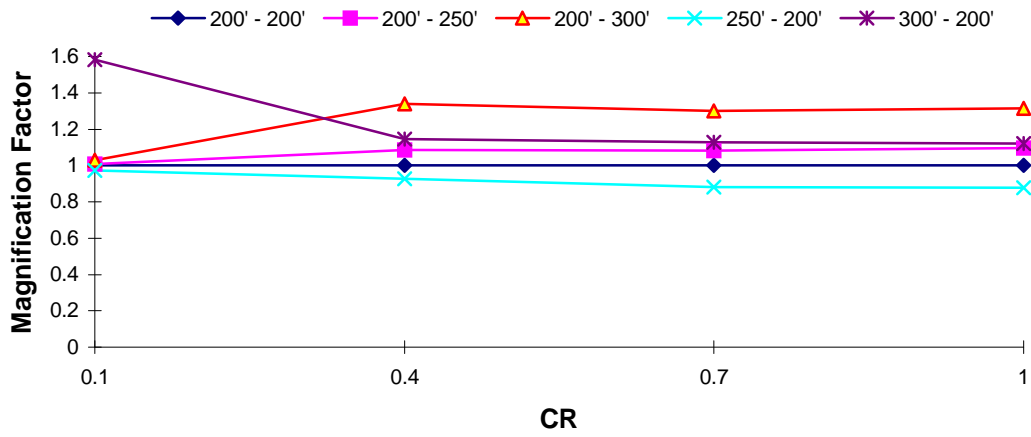
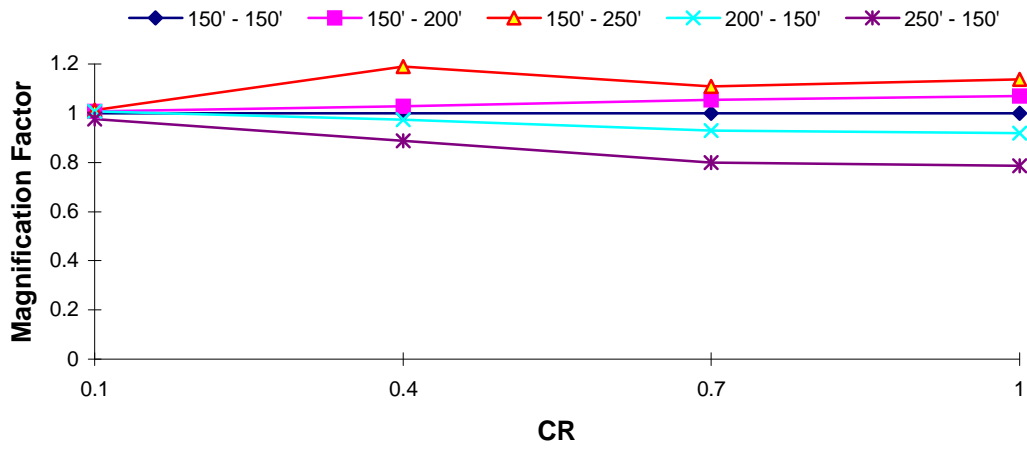




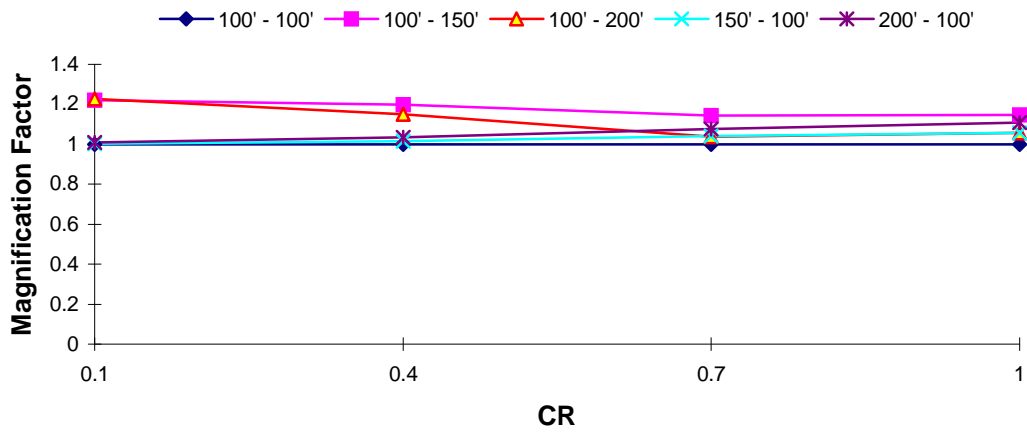
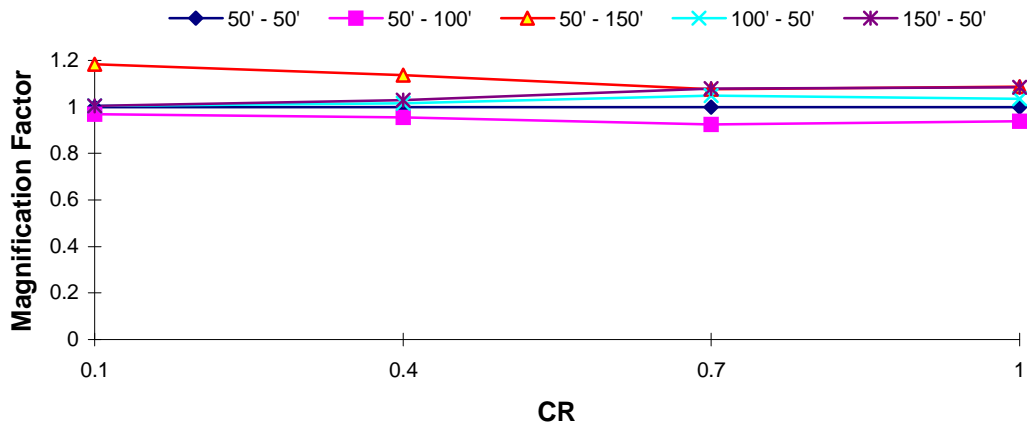
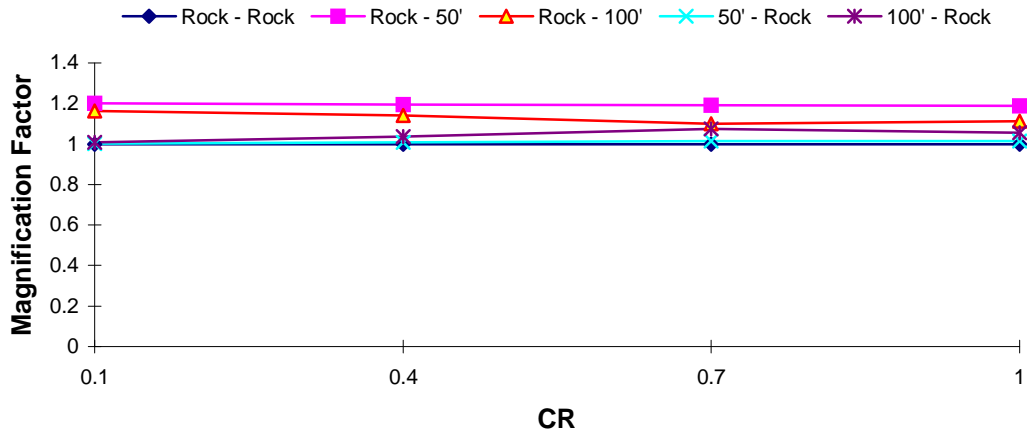
**DOF 2 Magnification Factor : Taft EQ**  
**T<sub>1</sub> = 2.0 s, TR = 1.0**



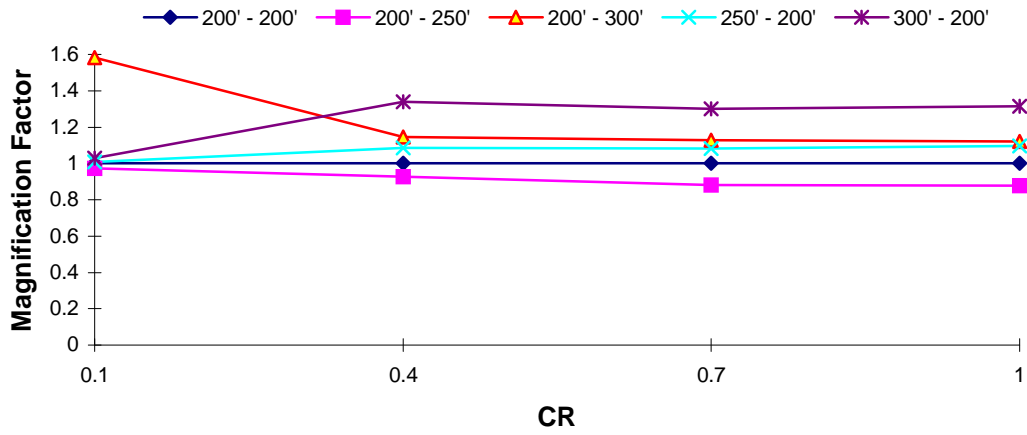
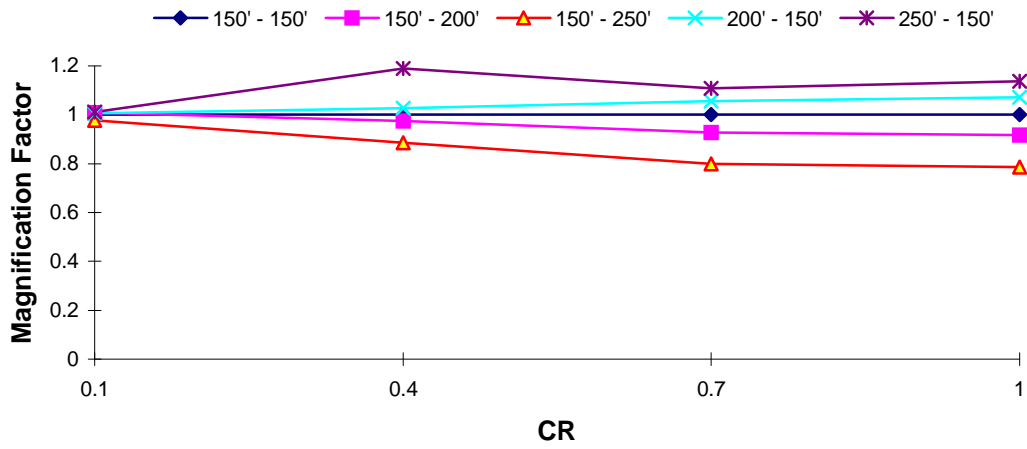
**DOF 1 Magnification Factor : El Centro EQ**  
 **$T_1 = 2.0$  s,  $TR = 1.0$**



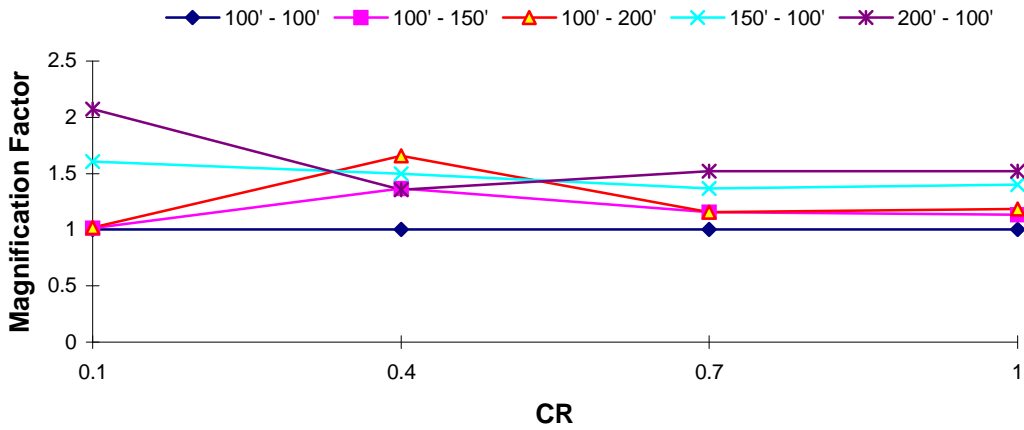
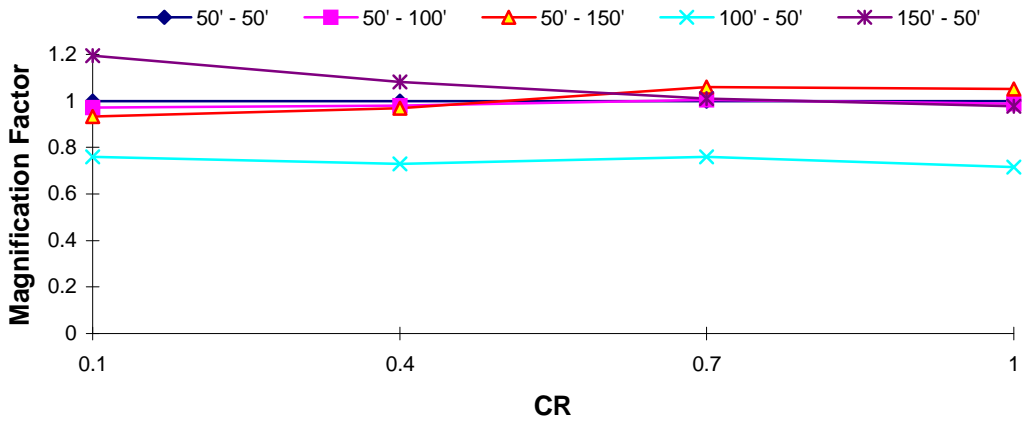
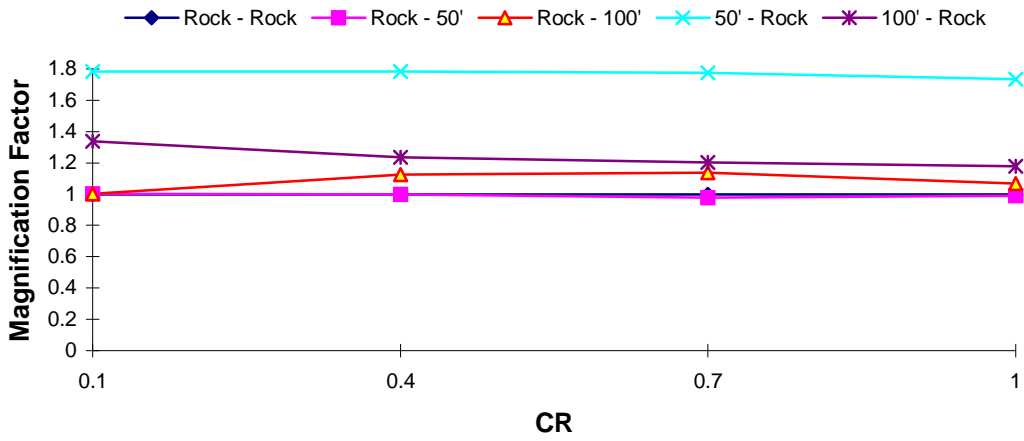
**DOF 1 Magnification Factor : El Centro EQ**  
 **$T_1 = 2.0$  s,  $TR = 1.0$**



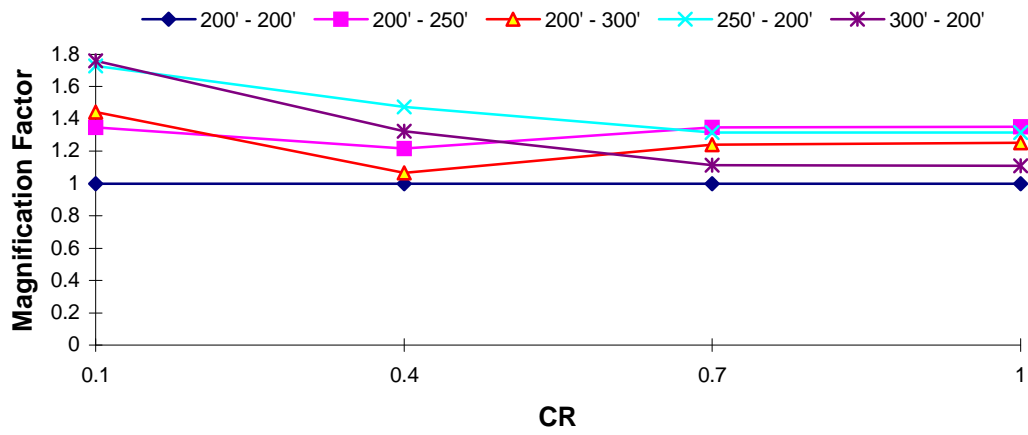
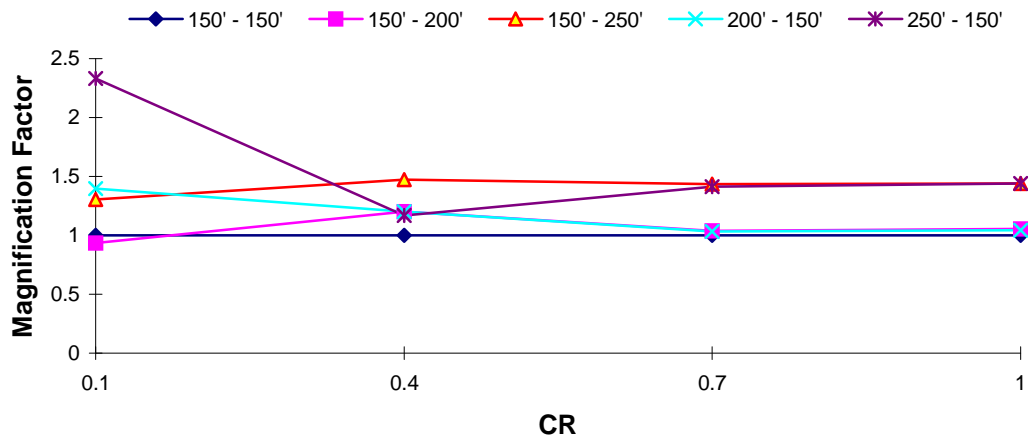
**DOF 2 Magnification Factor : El Centro EQ**  
 **$T_1 = 2.0$  s,  $TR = 1.0$**



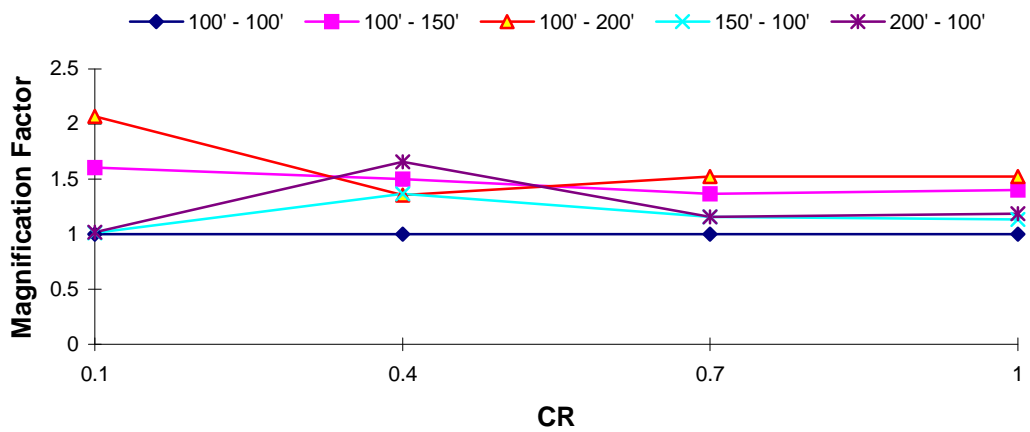
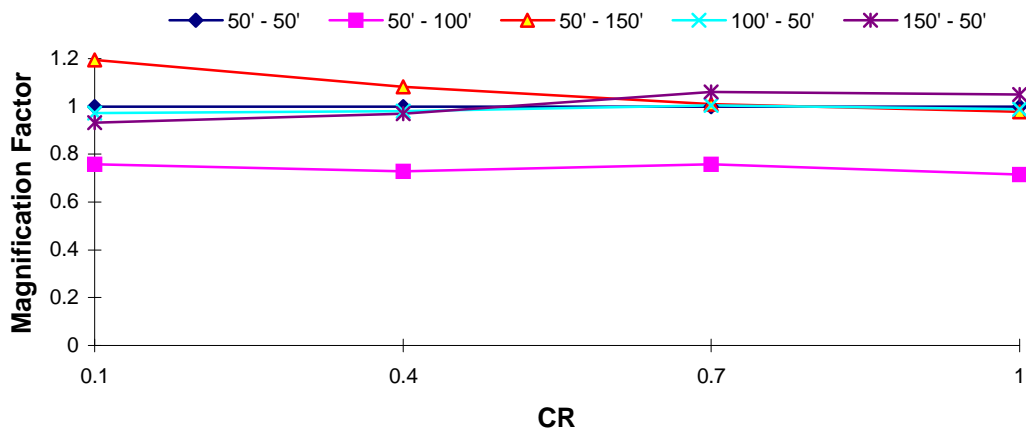
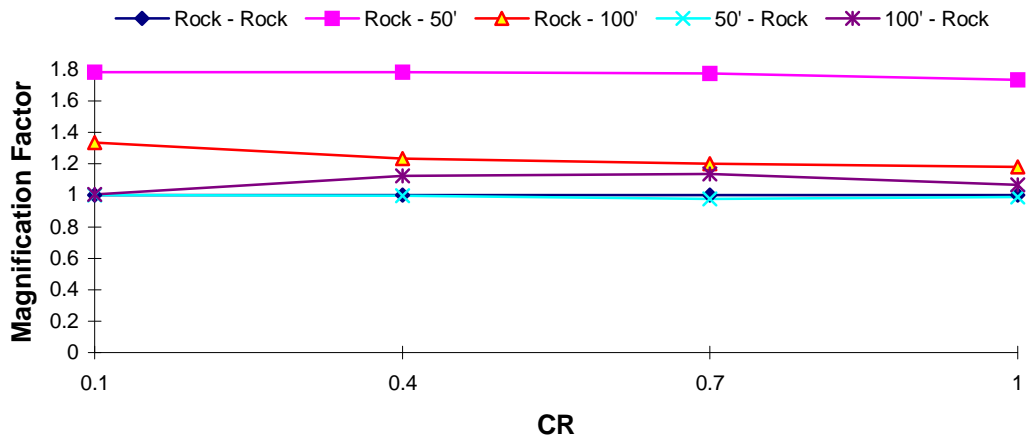
**DOF 2 Magnification Factor : El Centro EQ**  
 **$T_1 = 2.0$  s,  $TR = 1.0$**



**DOF 1 Magnification Factor : Northridge EQ**  
 $T_1 = 2.0$  s,  $T_R = 1.0$

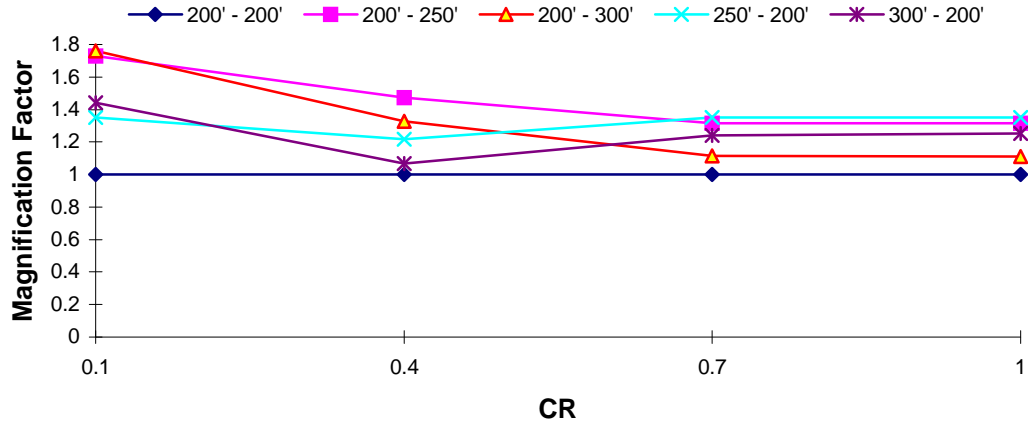
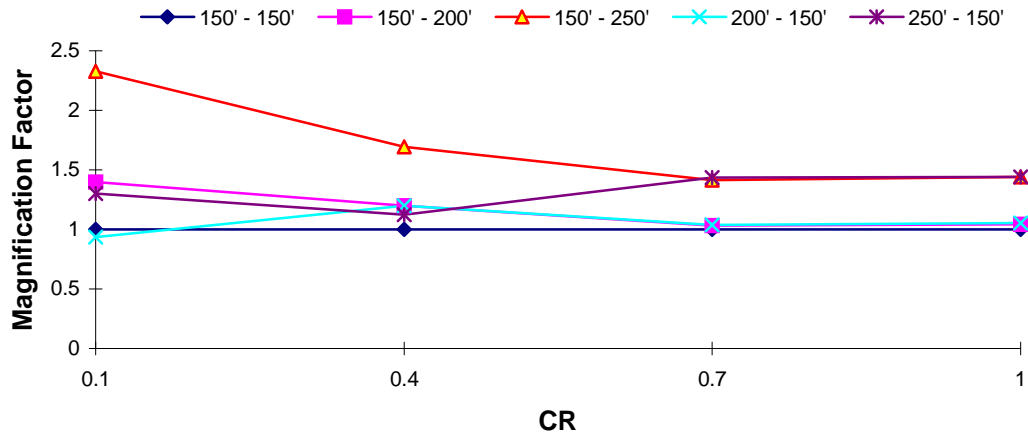


**DOF 1 Magnification Factor : Northridge EQ**  
 **$T_1 = 2.0$  s,  $TR = 1.0$**



DOF 2 Magnification Factor : Northridge EQ  
 $T_1 = 2.0$  s,  $TR = 1.0$





**DOF 2 Magnification Factor : Northridge EQ**  
**T<sub>1</sub> = 2.0 s, TR = 1.0**