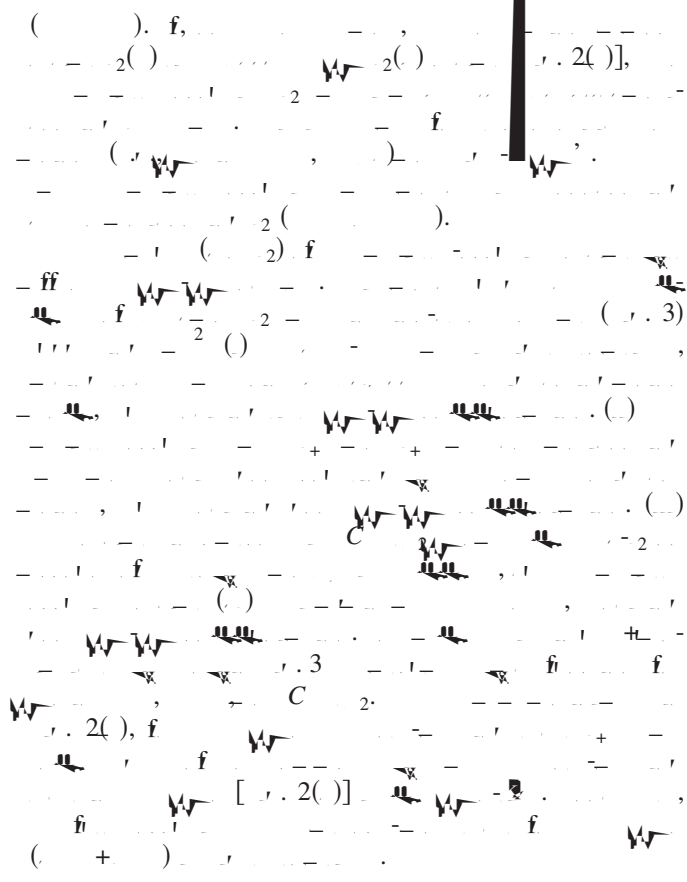
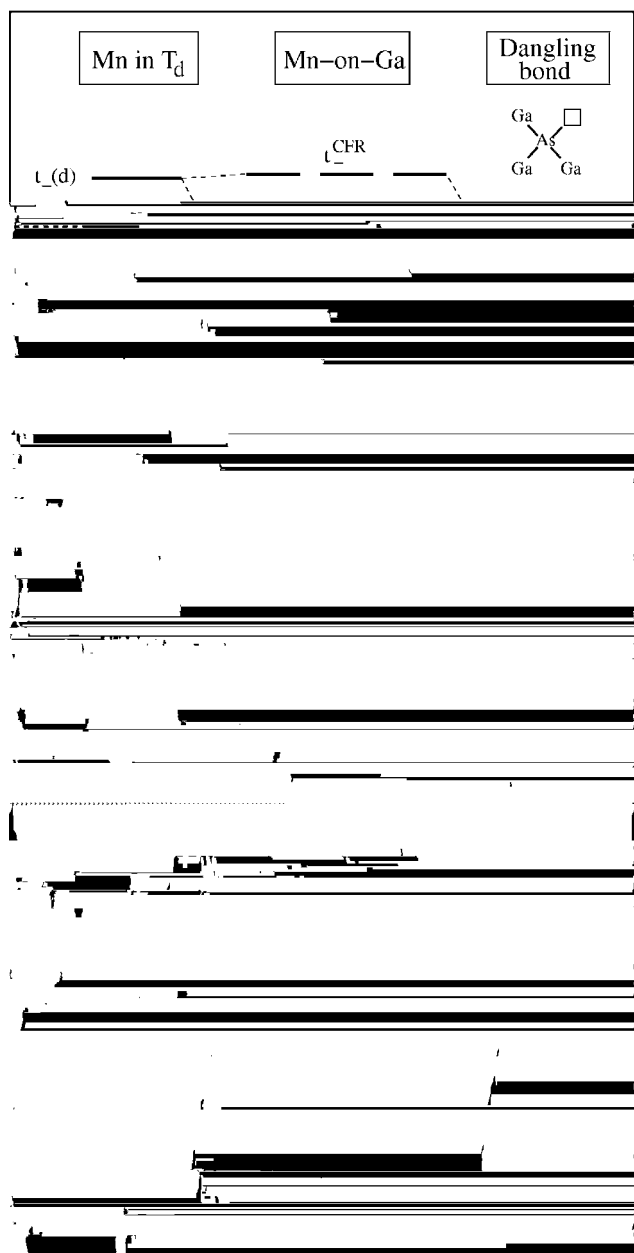


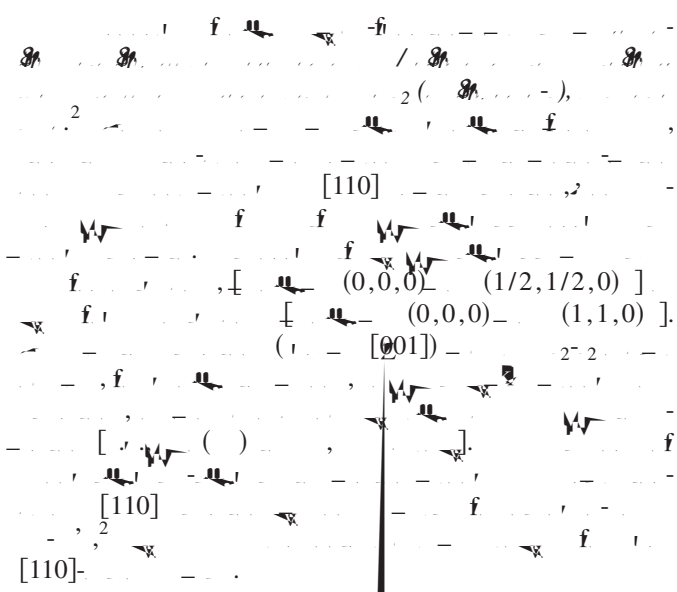
## II. MAGNETISM AND IMPURITY ORBITAL CHARACTER



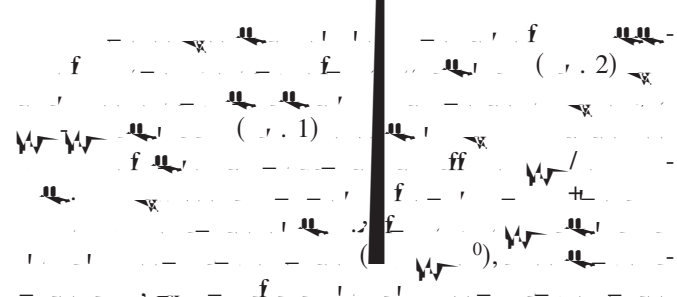
(a) GaAs:Mn

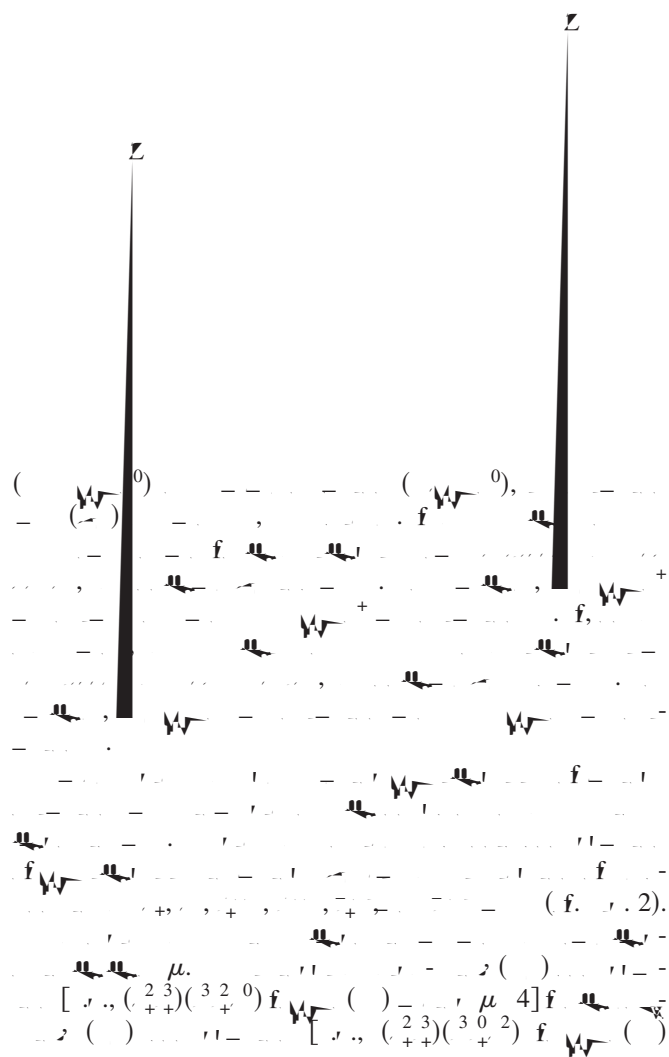


D. The basic TM-TM ferromagnetic interaction



III. PRACTICAL RULES





$f(x) = x^3 - 3x^2 + 2x - 1$   
 $f'(x) = 3x^2 - 6x + 2$   
 $f''(x) = 6x - 6$   
 $f'''(x) = 6$   
 $f(1) = 1 - 3 + 2 - 1 = -1$   
 $f'(1) = 3 - 6 + 2 = -1$   
 $f''(1) = 6 - 6 = 0$   
 $f'''(1) = 6$   
 $f(2) = 8 - 12 + 4 - 1 = -1$   
 $f'(2) = 12 - 12 + 2 = 2$   
 $f''(2) = 12 - 6 = 6$   
 $f'''(2) = 6$   
 $f(3) = 27 - 27 + 6 - 1 = 5$   
 $f'(3) = 27 - 18 + 2 = 11$   
 $f''(3) = 18 - 6 = 12$   
 $f'''(3) = 6$

$f(x) = x^3 - 3x^2 + 2x - 1$   
 $f'(x) = 3x^2 - 6x + 2$   
 $f''(x) = 6x - 6$   
 $f'''(x) = 6$   
 $f(1) = 1 - 3 + 2 - 1 = -1$   
 $f'(1) = 3 - 6 + 2 = -1$   
 $f''(1) = 6 - 6 = 0$   
 $f'''(1) = 6$   
 $f(2) = 8 - 12 + 4 - 1 = -1$   
 $f'(2) = 12 - 12 + 2 = 2$   
 $f''(2) = 12 - 6 = 6$   
 $f'''(2) = 6$   
 $f(3) = 27 - 27 + 6 - 1 = 5$   
 $f'(3) = 27 - 18 + 2 = 11$   
 $f''(3) = 18 - 6 = 12$   
 $f'''(3) = 6$

