P ac ical le fo o bi al-con olled fe omagne i m of 3*d* imp i ie in emicond c o

I. INTRODUCTION

 $f_{1} = f_{1} = f_{1$

II. MAGNETISM AND IMPURITY ORBITAL CHARACTER

 $\begin{array}{c} - & & \\ - & & \\ - & & \\ W^{-1} & - & \\ W^{-$

(a) GaAs:Mn



((1, 1, 2, 1) (1, 2, 1) $-1 2^{(-)}$ I. 2 -(.' \ ΤIJ 2 (2) **f** / _ I _ ff ___(, , . 3) 2 -2 (),,, 1 / / . . / ····· r + - . Arton -, л ┍╻╷╴╴╴╴╴ f', ' W-W-₩-, 2(), f. ,.3, - 1^{.1} T С 2. $\mathbf{f}_{\mathbf{i}} = \mathbf{f}_{\mathbf{i}} \mathbf{$ ·· ' | ' | '+ . 1 ..., W- T f.

D. The ba ic TM-TM fe omagne ic in e ac ion

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I.

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