E

A /G A

. B , D. , A. , A. D. , . C. , A.

E L , G , C 80401, A

, 44801 B , G

H F L , 6525 ED

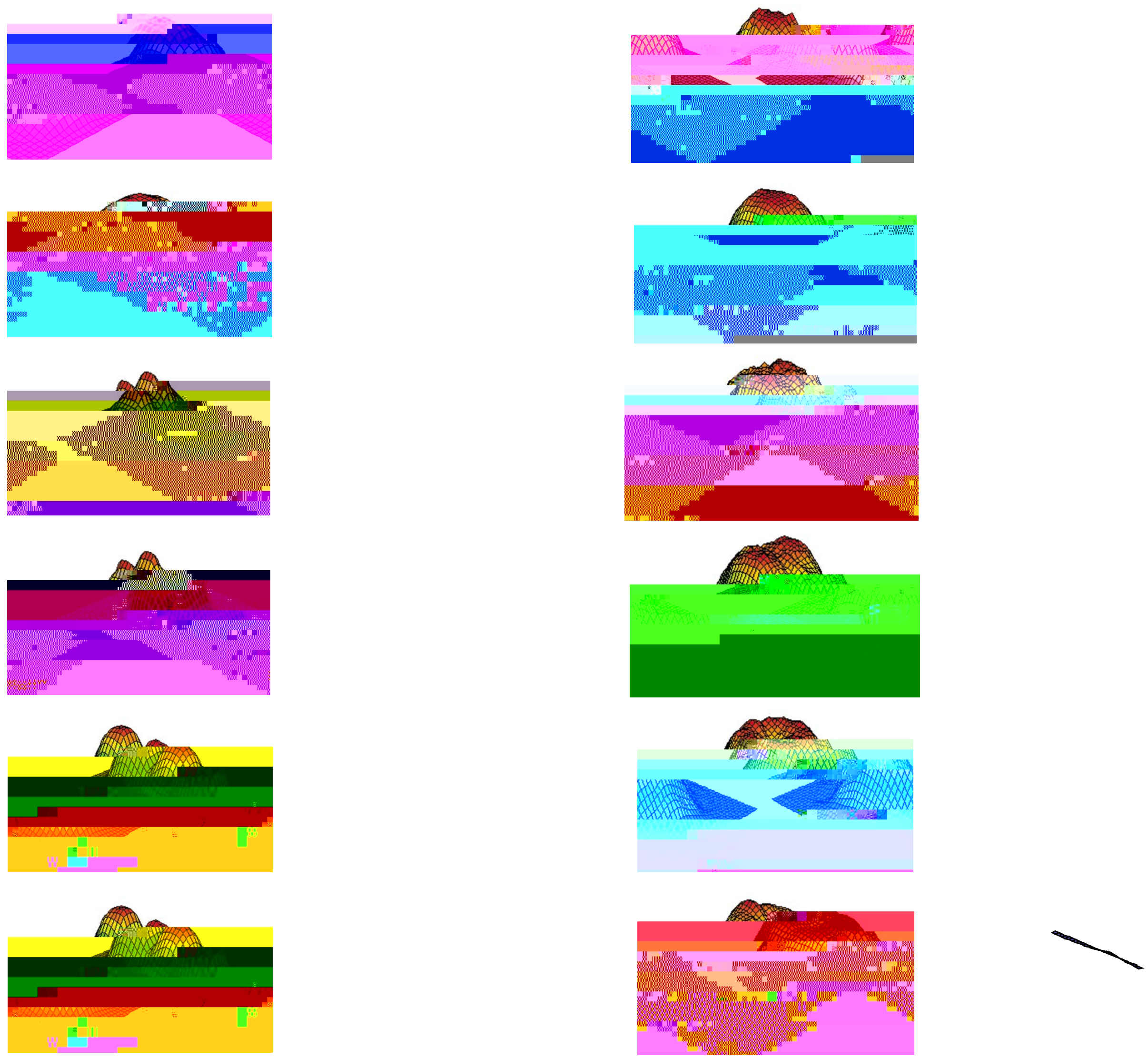
D. -E , 47048 D. , G

(3 2007; 22 A 2007)

. E E E TA ET D

A -(Al$_x$ $_{1-x}$A)

(300 300 m^2). C-



LC (A 42.4A) =10 m. 40) [7,19] ∥, C- B=26 15 [011] ∥ (1). C- (0 6) ∥ 1( ) 1( ).

. T E ET CA ET D

A f ll f m lf- f ll $(\simeq 10^6$ m). . . .,

t m t t nt l s f ll t r f
B r .[21] t s r m t , t tr s t r t s

)

rt , rt 1 t 1 t 2 t $_2$, f ll t
A f r 1 . r t 1 t r tt f r
t 1 r lt r t 1 t 1 t D t . B t
r ff r t, l t tt t r
tr t t t, , t D t ll f r
t 2 t . f r m .
t t r t 1 1 1 t [25] t t f r
t 1 ll f t ll, f ll t A f r -
1, t m t 1 t r m r
t r m t 1 r lt f t r ., [12] t r f r ll -
t t r r t t f 1 ll ll . 1
t t r m t t 1 tr r lt -
t 1 t rt t r f t r . [12]
. [13] f 1 t f t A f r 1 .
rt t 1, 5 $\rightarrow$ 6 r m tr r-
t r t tr r m m 1 t [110] r t .
1 t t ll m 1 1 D t t, $^2_0$ $^2_1$ $^2_3$,
t t m t 1 r r t f 77%. r -
m 23% r r t t t 2 t t t
m m 1 t [110] r t .
ff t f rr 1 t t tt t m m r m t f r

122 (2000).
[6] A. t ., 7. . B **65**, 16530 (2002).
[7]