
2EMHFWLYHV DQG EHQHILWV

'HVFULSWLRQ RI WKH SURMFWV REMHFWLYHV IRU H[DPSOH
VFLHQWLILF QHHGV LW V DGGUHVVLQJ

:KDW V WKH DLP RI WKLV SURMFW"

7KH DLP LV WR DVVHVV WKH VDIHW\ DQG IHDVLELOLW\ RI D Q
6 HePđ PHEQWUD(WLL€GL LO FWVLLOFFÀ V#)€u ã€ P0
6 HePđ P@pOD pFP GU (F LR•pLU RV LDD pFWP †TWLLE€ P0

GHYHORS VHSV LV 6HSV LV FDXVHG E\ SDWKRJHQV IURP DC
EORRGVWUHP &29,' DQG VHSV LV FDQ ERWK HOLFLW D DEQF
PXOWLSOH RUJDQ IDLOXUH DQG GHDWK 7KH FKDOOHQJH LQ
UHVSQRVH FRQWULEXWH WR WKH GLVHDVH 7KH DELOLW\ WR
LQIODPPDWRU\ UHVSQRVH FRXOG VLJQLILFDQWO\ LPSURYH P

,Q SDUWLFXODU WKHUH LV DQ XUJHQW QHHG IRU QHZ WKHUH
PRUWDOLW\ RI &29,' DQG WKH QXPEHU RI SDWLHQWV WKDW
VKRZQ WKDW PFK RI WKH KDUP GRQH LQ VHYHUH FDVHV RI &
K\SHU LPPXQH UHVSQRVH 8VLQJ WKH PDJQHWLF EORRG ILOV
LQIODPPDWRU\ VWDWH ZLWKRXW V\ VWHP LF GHOLYHU\ RI ELR
LPPXQH UHVSQRVH ZLWKRXW FDXVLQJ ORQJ WHUP LPPXQRVX
K\SHULQIODPPDWLRQ VHHQ LQ WKH OXQJV WKDW GULYHV KR'
SDWLHQWV WKDW UHVXOWV LQ VLJQLILFDQW PRUWDOLW\

+RZ ZLOO \RX ORRN WR PD[LPLVH WKH RXWSXWV RI WKLV ZRL

7KH RXWSXWV IURP WKLV ZRUN ZLOO EH GLVVHPLQDWHG WR
SHHU UHYLHZHG MRXUQDOV DQG E\ SUHVHQWDWLRQ DW LQW
SXEOLVKHG DQG VKDUHG ZLWKLQ WKH VFLHQWLILF FRPPXQL'
SDW
X

\$QLPDOV ZLOO EH DFFOLPDWLVHG DQG WUDLQHG IRU KDQGO
,Q WKH ILUVW VWXG\ DQLPDOV ZLOO EH DQDHWKHWLVHG D

6WDWH ZKDW QRQ DQLPDO DOWHUQDWLYHV DUH DYDLODEOH
FRQVLGHUHG DQG ZK\ WKH\ FDQQRW EH XVHG IRU WKLV SXUS

:K\ GR \RX QHHG WR XVH DQLPDOV WR DFKLHYH WKH DLP RI \

3UH FOLQLFDO VDIHW\ VWXGLHV FRQGXFWHG LQ DQLPDOV DU
PHGLFDO GHYLFH ,QWHUQDWLRQDO VWDQGDUGV ,62 SD
HYDOXDWLRQ RI PHGLFDO GHYLFHV DQG OLVW WKH VHOHFWL
GHYLFHV LQWHUDFWLQJ ZLWK EORRG 7KHVH WHVWV UHTXLU

)RU HIILFDF\ VWXGLHV RQO\ D ZKROH ELRORJ\ V\VWHPV DSSL
RI WKH K\SHU LQIODPPDWRU\ FRQGLWLRQV WKH GHYLFH LV G

:KLFK QRQ DQLPDO DOWHUQDWLYHV GLG \RX FRQVLGHU IRU \

7KHUH DUH QR QRQ DQLPDO DOWHUQDWLYHV WR DFKLHYH W

:K\ ZHUH WKH\ QRW VXLWDEOH"

1 \$

5HGXFWRQ

([SODLQ KRZ WKH QXPEHUV RI DQLPDOV IRU WKLV SURMHFW ;
EHHQ WDNHQ WR UHGXFH DQLPDO QXPEHUV DQG SULQFLSOH
WKDW DUH XVHG WKURXJKRXW WKH SURMHFW WR PLQLPLVH C
DQ\ 7KHVH PD\ LQFOXGH H J SLORW VWXGLHV FRPSXWHU PI

+RZ KDYH \RX HVWLPDWHG WKH QXPEHUV RI DQLPDOV \RX ZL

)LQDOO\ WHUPLQDO VWXGLHV GHVLJQHG WR WHVW HIILFDF\ ;
WKH LQIODPPDWRU\ FRPSRXQGV LQ ODUJH DQLPDO PRGHOV I
DW WKH WHVW IDFLOLW\ DV ZHOO DV EHQFK WRS WHVWLQJ
EORRG WKHVH WRJHWKHU LJQHG H HOO PHDOHKHVHOL
EORRGIOR• JHH e LHH TÖRRÖRÖE I

