7UDYHOLQJ IURP VKH SDVW WR VKH SUHVHQW VKH VLJQLILFDQFH RI ZHVWHUQ + DQ SULQWHG FORWKLQJ DQ SDWWHUQV LQ WKH FUHDWLRQ RI FRQWHP SRUDU\ ZRP HQ VFORWKLQJ

%DR + DQ
School of Fine Arts, Beijing Institute of Fashion Technology
%HLMLQJ &KLQD
KDQ # FRP

/ LDQRQJ <LQ
School of Fine Arts, Beijing Institute of Fashion Technology
%HLMLQJ &KLQD
\ LQDQRQJ # IR[P DLO FRP

$ EVWUDFW 7KH SULQWHG FORWKLQJ JDX]H RI VKH : HVWHUQ + DQ ' \QDVW LV RQH RI VKH LP SRUWDQW FXOWXUDO UHDFV XQGHUWDNHQ IURP VKH 0 DZ DQJGXL VLYH RI VKH : HVWHUQ + DQ ' \QDVW , W SDWWHUQV DQG SDLQWHG FKDUDFWHULVWLFV KDYH VSHFLILF FKDUDFWHULVWLFV DQG FXOWXUDO P HDQLQJV RI VKH WHP HV 7DNLQJ LQVSLUDWLRQ IURP VKLV FRQWHP SRUDU\ IDVKLRQ EULQJ FRQWHP SRUDU\ GHVLJQ P DN FKLHYH VKH JRDO RI H[WDFWLQJ HVVHQFH IURP WUDGLWLRQDO FXOWXUDO IDFWRUV %DVHG RQ D VXVWHP DWF VHDUFK RI OLWHUDWXUH RQ SULQWHG JDX]H IURP VKH : HVWHUQ + DQ' \QDVW VKLV DUWLFOH IRFXVHV RQ VKH GLVWLQFWLRQ RI SK\VLFDO REMHFWV XQGHUWDNHQ IURP VKLV FRP E H[WDFWLQJ VKHLU DUWLFWLF VHDUFK RI OLWHUDWXUH FRP ELQHG ZLWK HPSLULFDO FXOWXUDO IDFWRUV DQG VXEMHFWLYH H[SHULHQFH IURP WUDGLWLRQDO FXOWXUDO P HWKRGV 7KH FRQFHSWRI KLJK GHVLJQ SHUFHSWLRQ LV DSSOLHG WR ZRP HQ V FORWKLQJ DQG DFFHVVRULHV 2Q VKH EDVLV RI VXVWHP DWF UHVHDUFK FRP ELQHG ZLWK VKH H[WDFWLRQ DQG DSSOLFDWLRQ RI HDP HQW IURP SULQWHG \DUQ ZH DLP WR H[SORUH QHZ SDWWHUQ LV DSSOLHG GHVLJQ SHUFHSWLRQ LV DSSOLHG WR ZRP HQ V FORWKLQJ DQG DFFHVVRULHV 7KURXJK GHVLJQ SUDFWLFH DQG LQQRYDWLRQ \DUQ SDWWHUQ KDV D KLJK DUWXWF YDOXH ZKLFK LV DWWUEXWHG WR VKH GUHVV \ VWHP DQG DHVWHWF VDOXH LQ VKH FRQW[W RI D \SHFLILF FRQWHG \DUQ VKDWLV LQVHUWF DFKLHYH D FRP ELQDWLRQ RI SULQWHG DQG FRQXUHG VKH XVH RI GLUHFWSULQWHG LQWHQGG RI ODERURXV DQG WP H FRQVXP LQJ P HWKRG RI XQGHUGLQJ KDQG GUDZ Q DQG þ FRQWRXULQJ LV VKH P HDQLQJ RI VKH SDLQWHG VXFK FXOWXUDO UHDFV VWRQJO *RQJ UHDVRQ VKH SDLQWHG VXFK DV *Zhou Li - Kaogongji* P HQWRQHG LQ VKH þ ZKHUH VKH SDLQWHG VKLQJ DVWU6X*RQJ UHDVRQ UHDVRQ VKH P HDQLQJ RI VKH SDLQWHG VXFK DV *Zhouli - Kaogongji* P HQWRQHG LQ VKH ZKHUH SDLQWHG DQG GUDZLQJ DVWU6X*RQJ UHDVRQ VKH FRQWRXULQJ \DUQ SDWWHUQ RI VKH SK\VLFDO FDVWLQJ VWUXFWXUHV JHQHUDWRQ GHVLJP LQDWLRQ DQG RWKHU DSSOLFDWLRQV RI VKH SULQWHG \DUQ SDWWHUQ DQG FRQWRXULQJ \DUQ SDWWHUQ KDYH JUDGXDOO\ HYROYHG LQWR D VWURQJ VHQVH RI VWUXFWXUH DQG VKDSH 7KH SULQWHG \DUQ SDWWHUQ KDV EHHQ DSSOLHG WR D ZLGH UDQJH RI GHVLJQ SURGXFWV LQFOXGLQJ KRPH GHFRU IDVKLRQ DFFHVVRULHV DQG FXOWXUDO FUHDWLYH SURGXFWV 7KH VWXG\ DOVR SURSRVHV VRPH VWUDWHJLHV IRU WKH LQQRYDWLYH GHVLJQ DSSOLFDWLRQ RI SULQWHG \DUQ SDWWHUQ DQG FRQWRXULQJ WHFKQLTXHV DQG SURFHVVHV WR HQKDQFH WKH DHVWHWF DQG FXOWXUDO YDOXH RI WKH SURGXFWV

. H\ZRUGV SULQWHG FORWKLQJ \DUQ SDWWHUQ GHVLJQ IDVKLRQ FORWKLQJ KXP DQ IDFWRUV UHVHDUFK VHOHFWLRQ GHVLJQ LQQRYDWLRQ

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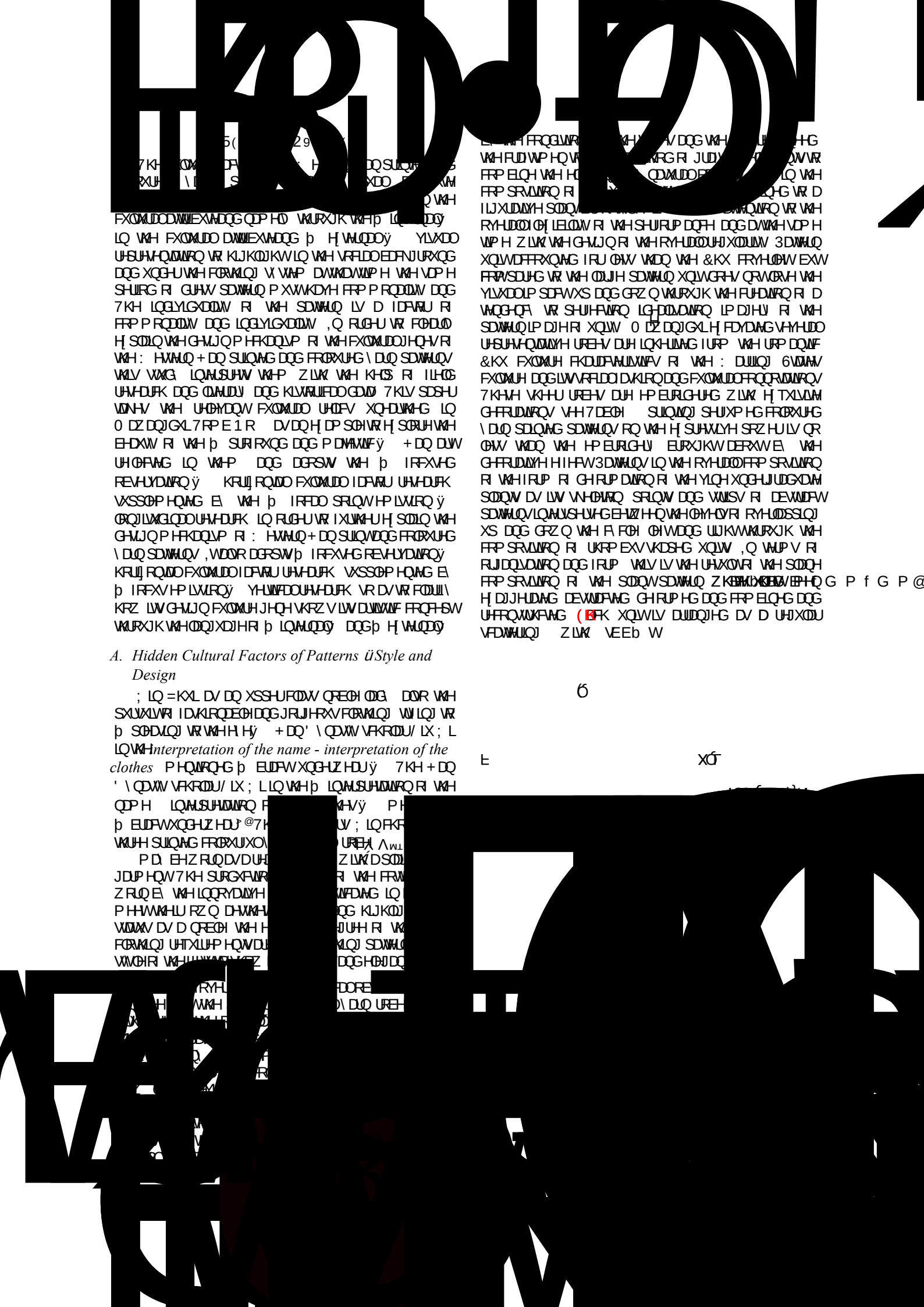
,Q UHFHQW \HDUV WKH VXDM DFWLYH DGYRFDWH WKH LQQRYDWLRQ RI WUDGLWLRQDO GUHVV FXOWXUH LQ WKH GXDO FRQWH[W RI þ WUDGLWLRQ DQG þ LQKHULWDQFH DQG LQQRYDWLRQ LVWV LQGLVSHQVDEOH WR H[SORUH WKH VRXUFH DQG WKH DQDO\VLV RI WKH EHDXW DQG þ FRQWHP SRUDU\ GHVLJQ SUDFWLFH KDYH VSHFLILF FKDUDFWHULVWLFV DQG FXOWXUDO P HDQLQJV 7KLV SDSHU ZLOO VWXG\ IURP WKH SHUVSHFWLYH RI SULQWHG \DUQ SDWWHUQ GHVLJQ IDVKLRQ FORWKLQJ DQG DFFHVVRULHV

7KLV SDSHU ZLOO WUDFH WKH SHUVSHFWLYH RI KLVWRU\ GHVLJQ DQG RWKHU P XOWLGLVFLSOLQDU\ DQJOHV VHOHFWLQJ WKH SULQWHG \DUQ SDWWHUQ IURP LWV SURFHVV FRQQRWDWLRQ HDP HQW DQG FRQWHP SRUDU\ GHVLJQ SUDFWLFH WR H[SORUH WKH SDWWHUQ LQ WKH GLIIHUHQW GHVLJQ P HWKRGV RI SULQWHG \DUQ SDWWHUQ GHVLJQ WKH SDWWHUQ KDV EHHQ FRQWUDVWHG RQ D VLQJOH DWWUEXWH EXW RQ WKH DUWLWXWF SUHVHQWDWLRQ RI P XOWLSOH FRP ELQDWLRQV %DVHG RQ WKH H[LVWLQJ UHVHDUFK UHVXOWV WKLV SDSHU ZLOO SDSHU ZLOO DOVR DQDO\VH WKH VLP XOWDQHRXV DQDO\VLV P HWKRG RI KXP DQ IDFWRUV UHVHDUFK VR DV WR EHWWHU XQGHUVWDQG DQG P HHW WKH P RUHGDQ DHVWHWF QHHGV RI FRQWHP SRUDU\ FRQXP HUV

&RUUHVSRQGLQJ $XWKRU &KDZ &KHQ7LQJ %HLMLQJ ,QVWLWXWH2I)DVKLRQ7HFKQRORJ\ 1R$ &KHUU %RXWP * DUGHQ(DVW6WUHHW&KDR\DQJ' LVWULFW%HLMLQJ &KLQD (PDLOLQJ# EIIWHGX FQ



A. Hidden Cultural Factors of Patterns üStyle and Design

interpretation of the name - interpretation of the clothes

	RQ VLON JU RXQG		FP				VKH XQLW ZLWK D UX\ L VKDSHG IORUDO SDWWHUQ
	&LQQDED UUHG GLDP RQG SDWWHUQH G VLON UREH		/ HQJWK FP VOHHYH OHQJWK FP ZDLVW ZLGWK FP	IDLO OH	0 D QXI DFW XUH E\ ZHD YLQ J		7KH SDWWHUQ LV LQ WKH VKDSH RI D ORQJ WKLQ GLDP RQG ZLWK GLVWLQFWLYH OLQHV DUUDQJHG LQ WZR URZ V

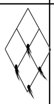
7DEOH &RP SDULVRQ RI 5HSUHVHQWDWLYH 5REH 3DWWHUQ 6W\OHV 8QHDUWKHG DW 0 DZ DQJGXL

B. Explicit Cultural Factors in Patterns üPatterns and colours

,Q *Shangshu Yiji* WKHUH LV DQ DFFRXQW RI þ P DNLQJ FORWKHV LQ ILYH FRORXUV ZLWK ILYH SLJP HQWVÿ ZKLFK LV WKH VRXUFH RI WKH ODWHU UHJXODWLRQ RI þ SDLQWLQJ FORWKHV DQG HP EURLGHULQJ WKHP ÿ ,Q WKH =KRX OL ' RQJ JXDQ . DRJRQJML WKH µZRUN RI VHWWLQJ FRORXUV¶ LV GHILQHG DV WKH ILYH VWHSV RI ZRUN QDP HO\ µSDLQWLQJ GUDZ LQJ EHOO\ EDVNHWV DQG P DQJ¶ + DQ ' \ QDVW\ *interpretation of the name* VDLG ÿ WKH TXHHQ RI WKH DERYH FORWKLQJ LV VDLG WR EH D TXHHQ RI FHUHP RQLDO FORWKLQJ SDLQWLQJ WKH $ OEXP 3KHDVDQW RI WKH WH[WLQ WKH FORWKHV DOVR ÿ WKH DERYH SDLQWLQJ UHIHUV WR WKH IDEULF GHSLFWHG RQ WKH SDWWHUQ WKH DQFLHQWV VDLG GUHVV FRORXU

$ QKXL ZXZ DQJGXQ FKX WRP E IRXQG LQ D P RUH DGYDQFHG VLON YDULHWLHV FDOOHG SODLQ ZDUS EURFDGH 7KH JHRP HWULF SDWWHUQ RQ LW LV D GLDP RQG SDWWHUQ ZLWK WUDFHV RI VWLWFKLQJ ZKLFK LV SUHVXP HG WR KDYH FRP H IURP D IUDJP HQW RI D GUHVV 8QGHU WKH LQIOXHQFH RI WKH &KX FXOWXUH SULQWLQJ DQG FRORXULQJ \ DUQ SDWWHUQ E\ WKH EUDQFKHV EXGV IORZ HUV SLNHV DQG OHDYHV FRP SRVHG RI GHIRUP HG DEVWUDFW YLQH SODQWV XQLWDUH D LV VP DOO WKH SDWWHUQ RUJDQLVHG LQ WKH IRUP RI TXDGULODWHUDO FRQWLQXRXV YLVXDOO DQG UHDORYHUODS DUUDQJHP HQWV WKH RXWHU FRQWRXU RI WKH VDP H VDQJKDL DV WKH UKRP EXV ZLWK WKH URP DQWLF JUDSKLF FKDQJHV LQ WKH VW\OH RI WKH HP ERGLP HQW RI UHVSHFW IRU WKH VN\ WKH FRQFHSW RI YLUWXH ,WV SDWWHUQ DGRSWV D FRP ELQDWLRQ RI SULQWLQJ DQG SDLQWLQJ P HWKRG $ QFLHQW SDLQWLQJ WHFKQLTXHV RI WRQ þ JUDVV DQG VWRQH GDQÿ VWDWLQJ WKH ILUVW SODQWV GHQJ OTXLG G\ HEDVH DQG WKHQ DSSOLHG WR WKH FRORXU P LQHUDO SLJP HQWV WR GHSLFW WKH SDWWHUQ DQG ILQDOO\ EORUURZHG ZKLWH SLJP HQW RXWOLQLQJ HP EHOOLVKP HQWV GHWDLOV URXJKO\ SURFHGXUHV VHH 7DEOH 7KH OLQHV SULQWHG LQ WKH SDWWHUQ DUH VP RRWK P DLQO\ LQ WKH IRUP RI GLVWLQFWLYH FXUYHV DQG WKH FRP SRVLWLRQ LV P HWLFXORXV ZKLFK LV TXLWH VLP LODU WR WKH HOHJDQFH RI WKH : DUULQJ 6WDWHV DQG FRP SOHWHO\ EUHDNV WKURXJK WKH OLP LWDWLRQV RI WKH VFDOH RI WKH DQFLHQW HP EURLGHU\ SDWWHUQ ,Q DGGLWLRQ WKH UHVHDUFK SURFHVV IRXQG WKDW WKH SULQWLQJ RI FRORXU IROLDJH SDWWHUQ DQG WKH VDP H H[FDYDWHG VLON FRUQHU\ SDWWHUQ UHP QDQWV RI WKH WZR KDYH P RUH LQ FRP P RQ WKH OHDWKHU WKH RYHUDOO VKDSH RI WKH IORZ HU KHDG KDV WR IRUNV XQGHU WKH FXUYHG IORZ HU VWDONV EUDQFKHV DQG EUDQFKHV RI WKH VTXDUH IROG VHH)LJXUH

7KH *Xijing Miscellany* KDV þ ZHDULQJ FRUQHOLDQ FKHUU\ HDWLQJ SRQJ EDLW GULQNLQJ FKU\ VDQWKHP XP ZLQH P DNH SHRSOH OLYH ORQJ ÿ >@7R VXP XS ZH FDQ SHUFHLYH WKH DHVWKHWLF RULHQWDWLRQ RI WKH + DQ ' \ QDVW\ LQ WKH SULQWHG DQG FRORXUHG \ DUQ SDWWHUQ DQG LWV LP SRUWDQW RULHQWDWLRQ LV WKH þ QDWXUHÿ RI WKH REMHFW ZKLFK P DNHV WKH YLQH SDWWHUQ EHFRP H D FRP ELQDWLRQ RI DUW DQG WHFKQRORJ\ ZLWK D NLQG RI QDWXUDO WKRXJKWV DQG P L[HV ZLWK DOO RU SDUW RI RWKHU QDWXUDO SDWWHUQV

$ Q DO\ VLV RI : H VWHUQ + D Q 3UL QWH G DQ G &RO RXU HG < D UQ 3DW WHU QV	VWHS V	VWHS	VWHS	VWHS	VWHS	VWHS	VWHS	VWHS	VWHS
	3DW WHU Q &UD IW								
		3ULQWLQ J RXW WKH EDFNJU RXQG S ULQWLQJ	3RLQWLQ J 2XW WKH 6WDP H QV 3DL QWHG	3DLQWV QJ WKH IORZ H UV SDL QWLQJ	3DLQWLQ J WKH OHDYHV SDLQWLQ J	3DLQW QJ WKH OHDYHV SDLQW LQJ	3DLQWLQ J WKH OHDYHV SDLQWLQ J	3DLQWLQ J WKH OHDYHV SDLQWLQ J	8 QLW P RWLIV
	FRORR XU								
		* UH\	+ HDY\ LQN	YHUP L OLRQ	EOXH YLROHWV	Z DUP JUH\	VLOYHU JUH\	SLQN Z KLWH	: DUP VWRQHV

7DEOH $ QDO\ VLV RI SULQWHG FRORXUHG \ DUQ SDWWHUQV

)LJ)DEULF H[FDYDWHG IURP : XZ DQJGXQ OHIW 6WDP SHG DQG FRORXUHG \ DUQ DQG VLON JURXQG FRQHIDOO HP EURLGHU\ ULJKW

$ KLVWRU\ RI FRORXU LV DOVR D KLVWRU\ RI FXOWXUH 7KH *Zhou Li - Kaogongji* UHFRUGHG WKDW þ WKH SDLQWLQJ RI WKH P DWWHU P XOWL FRORXU ÿ þ 0 LVFHOODQHRXV ILYH FRORXUV WKH (DVW LV FDOOHG JUHHQ WKH 6RXWK LV FDOOHG UHG WKH : HVW LV FDOOHG ZKLWH WKH 1 RUWK LV FDOOHG EODFN WKH VN\ LV FDOOHG ; XDQ WKH HDUWK LV FDOOHG \ HOORZ ÿ >@,Q *The Book of Songs - Bin Feng - July* LW LV ZULWWHQ þ 7KH \ HOORZ LV FDUULHG LQ ; XDQ , DP =KX . RQJ DQG < DQJ DQG , DP GUHVVHG IRU WKH ' XNH ÿ 7KLV VKRZ V WKH SHRSOHV SXUVXLW RI FRORXU GLYHUVLW\ LQ FORWKLQJ GXULQJ WKH : HVWHUQ =KRX SHULRG LQIOXHQFHG E\ WKH LGHDV RI þ \ LQ DQG \ DQJ ÿ DQG þ ILYH HOHP HQWV ÿ DW WKDW WLP H *the Book of Han* 6XEXUEDQ 6DFULILFH =KL]KL P HQWLRQHG WKDW þ $ W WKH EHJLQQLQJ RI WKH + DQ ' \ QDVW\ ZKHQ WKH FRP P RQ SHRSOHV DIIDLUV Z HUH LQ WKH HDUO\ VWDJH RI FUHDWLRQ ROO 6KXVXQ 6KHQJ GHFLGHG RQ WKH UHJXODULW\ RI WKH FRXUWV, I LWLV WKH P DWWHU RI WKH SURSHU VKXR WKH FRORXU RI WKH FORWKHV DQG WKH RXWORRN RI WKH FRXQWU\VLGH VHYHUDO JHQHUDWLRQV KDYH QRW \ HW EHHQ FKDSWHUHG ,Q WKH ; LDRZ X HUD WKH DUWLFOH Z DV SUHYDOHQW DQG WKH \ XWXP Z DV FKDQJHG LQ WKH EHJLQQLQJ RI WKH UHJQ Z KLOH) XDQ 6LP D 4 LDQ HWF Z HUH VWLOO IROORZ LQJ WKH ZRUGV RI WKH P LQLVWHUV DQG < L DQG WKH FRORXU RI WKH FORWKHV Z DV FKDQJHG VHYHUDO WLP HV VR WKDW WKH Z HUH LQ OLQH ZLWK WKH < HOORZ 9 LUWXHÿ &DQ EH VHHQ WKH HDUO\ : HVWHUQ + DQ ' \ QDVW\ þ ILYH FRORXU YLHZ ÿ FRQFHSW KDV EHHQ LQLWLDOO\ IRUP HG + DQ : X ' L DGRSWHG WKH + DQ IRU WKH YLHZ V RI WKH VRLO ZKLFK LV P DUNHG E\ WKRVH HDUO\ WR FKDQJH WKH FDOHQGDU RI ILFLDOO\ DQQRXQFHG WKDW WKH + DQ ' \ QDVW\ IRU WKH VRLO UHYHULQJ WKH \ HOORZ ZLWK WKH SRWHQWLDO IRU VXSUHP DF\

FXOXODWLRQ GHVLJQ LQKHUHQWQHVV RI WKH SURFHVV 6KLNL FRORXUHG \DUQ SDWWHUQ VR WKDW WKH IDFWRUV DUH WDNHQ DV WKH IILWWHKRLFHIRULQVSLUDWLRQ FUHDWLRQ

) LJ &RQVWUXFWLRQ TXHVWLRQQDLUH YRWLQJ RSWLRQV/DQGFRP SRVWLRQ RI UHVXOWV

,9 ,1129$7,21 3$7+: $<6

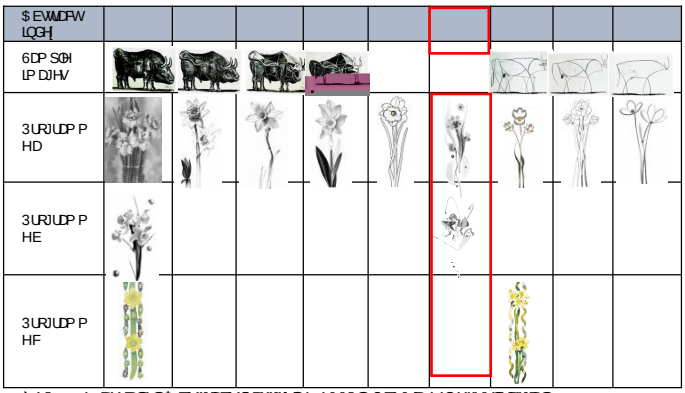
A. Elemental factor extraction

7KURXJK WKH SUHOLPLQDU\ UHVHDUFK WKHFXOWXUDO ZDV VHOHFWHG DV WKH LQWHQ VRUHFH RI LQVSLUDWLRQ &RQVLGHULQJ WKDWWKH GHVLJQ FURZG LV IDVKLRQDEOH \RXQJ ZRPHQ WKH GDIRGLO ZDV VHOHFWHG DV WKH H[WUHPLWRQ REMHFWRI WKH WXUQ IDPRU DP RQJ WKH SDQW HOP HQW ZLWK ZKLW SHWDO DQG \HOORZ FHQWUH VXPEROLQJ WKH SXULW RI D \RXQJ ZRP DQ DQG WKH EHDXW RI EHLQJ XQFRQWP LQDLWG E\ WKHZ RUGG ZKLFK LV DSWO XVHG DV LWþ PHDQLQJ ÿ ,WLV DSSURSULDWH WR LWþ H[SHULWQ ÿ DQG WDNH LWþ H[SHULWQ ÿ ,Q WKH VFKHP HGHVLJQ WKH VKDSH OQHV DQG FRORXUV RI GDIRGLO SHWDO DUH H[WUDFWG DV WKH ILWSRLQWRI WKH DEWUDFW SDWWHUQ

) LLXWO WKUH H[SHUW ZLWK UHOHYDQW UHVHDUFK EDFNJURXQGV ZHUH ILWWLQYLWG WR JLYH DQ DVVHVP HQW RI WKH DEWUDFWDWLWLWF DQG LQQRYDWLYH YDOXHV LQ WKH WDWWR VWKHIDFWRUVRHQJXUH WKHIHDWLEELOLW RI LWYDOXH 6HFRQGO DFFRUGLQJ WR WKH$ VWKHHOPHQWV H[SHUHG LQ WKH SDWWHUQ IDFWRUVRE EHGLVDXP EQG DQDOVHG IRXQG WKDWWFRQWLQV$ $ $ DQG$ RI GLIIHUHQW EUDQFKHV RI DUWXWF H[SHUWRQ GLIIHUHQWWZ KLFK LV FRQGXFLYH WR P DNH D UHDVRQDEOH LQWHQWRQ WR VHOHFW DWWU DQRWKHU TXHVWRQQDLUH YRWLQJ DQG H[SHUWDGYLFH WKH WWQGHQF\ RI DEWUDFWDWLWWXWHG LV KLJKU DQG WKH YRWLQJ UDWH DFFRXQWG IRU P RUH WKDQ RI WKH VRWDO DWWR WKHUHIRUH WKLV GHVLJQ ZLOO EH RQ WKH GHJUHH RI H[SHUWRQ RI WKH DEWUDFWDWLWWGHVLJQ VXEGLYLGHG VR H[WUDFWWKH LQQHU GHVLJQ P HFKDQLVP 7KHUHIRUH WKLV GHVLJQ SURSRVDO ZLOO EH RQ WKH GHJUHH RI H[SHUWRQ RI DEWUDFWDWLWDQG H[WUDFWDW LQQHU GHVLJQ P HFKDQLVP $GGWR WKH EXUGHQ RI WKLV IUHGRP WKH IHDUI EHLQJ ZDWKHG WDNHG DERXWDQG UHFRUGHG DQG LWEHFRP HV FXDUZ KDWNLQG RI WQDFLW LWWDNHV VR WXW JURXQGHG LQ\RGED VDUWXWF IUHGRP

B. Initial reorganisation evolution

$IWU WKH SUHOP LQDU SDWWHUQ H[SHUP HQW FRQVRO WKH DEWUDFWDWRQ GHJUHH YDUDEOH WDNH WKH DEWUDFW HYROXWRQ SURFHVV RI 3LFDVR V%XOODV DQ H[P SOH DQG FODVLI\ WKH DEWUDFWDWRQ LQGH[DFFRUGLQJ WR WKH LP DJH SHUFHSWXDO DQG FRQFHSWXDO DWWULEXWHV RI WKH FRQWRO SURFHVV 7KH LQWDO UHRUGQLVDWRQ HYROXWRQ LV WKH ILLWW SURFHVV RI GHGXFWRQ RI WKH LQWDO VWWOH EDVHG RQ \SHFLLF UKHV DFFRUGLQJ WR WKH FODVLF &KLOH\ DQG P HDVRUHG WKH FODVLF \N+DWRQ WWXKFWXUH RI WKH RULJLQDOSDWWHUQ P DNLQJ LWGLILFXOWWR LGHQWW\ WKH RULJLQDO DWWUEXWW RI WKH SDWWHUQ LI WKH DEWUDFWRQ LQGH[LV ORZ HU WKDQ WKH SDWWHUQ SDWWHUQ LV \RP HZ KDWFRVH WR WKH ILJXUDWLYH IRUP DQG GRVH WKH EHDXW RI WKH DEWUDFWDWLWV VR LQ RUGHU WR HQVXUH WKH GHVLJQ HIHFWRI WKLV P HWKRG WKH DEWUDFWDWRQ LQGH[LV FRQWRODG EHZZHQ DQG LQ RUGHU WR DFKLHYH WKH DSSURSULDW DFFHSWDQFH GHJUHH WKH DEWUDFWDWRQ LQGH[LV VHOHFWG WR P HHW WKH &KLOH\ DHWXWHWF þ ZUWQJ * RG LQ IRUP ÿ ,Q RUGHU WR DFKLHYH WKH DSSURSULDW GHJUHH RI DFFHSWDQFH WKH DEWUDFWDWRQ LQGH[LV VHOHFWG WR P HHW WKH &KLOH\ DHWXWHWF þ ZUWQJ * RG LQ IRUP ÿ ,Q RUGHU WR DFKLHYH WKH DSSURSULDW GHJUHH RI DFFHSWDQFH WKH DEWUDFWDWRQ LQGH[LV VHOHFWG WR DFFHSWDQFH GHJUHH RI WKH FRP SURP LVH YDOXH WKHDWLV WKH LQGH[LV ERWK VR HQVXUH WKDWWKH EDVLF FKDUDFWWUXWF RI WKH RULJLQDOSDWWHUQ DQG WKH UHFKQHVV RI WKH LQGH[EXWDOR FDQ EH XVHG LQ WKH H[WUDQDOIUP HZ RUN DQG WKH LQWUQDO IILGHU SDWWHUQ RI WKH FRP P RQ FKDQJHV LQ WKH P HWRG 2 QWKLV EDVLV WKH IHDXUHV RI WKH VKDSH DUH KLJKDQJKWG DQG WKH P RYH P HQWJHWXUHV DQG GHP HDQRXU DUH H[DJHUDWG \R DV WR REWLQ DQ XQXXDO VLP SOH DQG H[WUDRUGLQDU RYHUDOODDUWXWF LP DJH VHW) LJ



) LJ ' DIRGLO$ EWUDFW3DWWHUQ' HVLJQ6FKHP3UHVHQWDWRQ

7KH LQWWO UHRUGQLVDWRQ HYROXWRQ LV WKH ILLWW SURFHVV RI GHGXFWRQ RI WKH LQWWO VWWOH EDVHG RQ \SHFLLF UKHV DFFRUGLQJ WR 5 XGRO $ UQKLP V*Art and Visual Perception* þ $ EWUDFWDWUWP XWWKDYH GUDZ Q IURP WKH ODJHXWFRDFWRQ RI SKHQRP HQD WKH IRUP RU SUIQFLSDH RI WKH P RWWXQLYHUVDOWJQILFDQFH DQG WKXV HQFRP SDWHG DOOKXP DQ H[SHUHQFHý >@7KXV LQ WKH SUIQFLSDH RI SURJUDP P H GHVLJQ DWWKQWRQ LV SDJG VR EDDQCH WKH VXEWWFWUYH DQG REWWFWUYH WWQQGHQFLHV ,Q WKLV GHVLJQ FDVH WKH VKDSH QDHV DQG WR WKH GHVLJQ FDVH WKH VKDSH QDHV DQG GHP HDQRXU DUH H[DJHUDWG LQWR EDVLF JHRP HWWF VKDSH DQG QDHV DQG UHFRP EQG LQWR D