

## $Gc^{V} \otimes Yb^{-} fY^{A} Uf[Yf]hYb^{-}a a Yf k ]YXYf.^{8} ]Y^{V}ghYb^{G}W b]hhh]ddg^{\circ}$

9fZU\fYb'G]Yž'k ]Y'G]Y'A Uf[Yf]hYb'f]W\h]['gW\bY]XYbž'i a ']\fY 6`ØhYbdfUW\h'ni 'ZÒfXYfb"'H]ddg'ni f'DZY[Y'i bX'JYfa Y\fi b[ ]b\_`i g]j Y°



@i Xk ][ g\ UZY b ž 8 Y i hg W `Ub X '! 8 ]Y `DZY[ Y 'j cb 'A Uf[ Yf]hY b ']gh Y]b 'n Y b hf U`Yg 'H\ Ya U 'ZØf'; Uf hY b`]Y V\ UV Y f ž ']b g V Ygc b X Y f Y ']a < ]b V`]W\_ 'Ui Z 'X Ug 'f] W h][ Y 'G W b Y]X Y b 'X]Y g Y f 'V Y`]Y V hY b 'DZ Ub n Y b "A Uf[ Yf]hY b ž 'V Y\_ Ub b h 'ZØf']\ f Y 'k Y]» Y b '6`ØhY b 'a ]h '[ Y`V Y b Dc``Y b\_]gg Y b ž 'Y f Zf Y i Y b 'g] W 'U`g': f Ø\`]b [ g! 'i b X 'G ca a Y f d Z Ub n Y b [ f c » Y f '6 Y`]Y V h\ Y]h " @Y c b] 'I b Zf]Y X ']b Zc f a ]Y f h 'Ui Z 'c d! c b`]b Y "X Y ž X Ugg 'Y]b '[ Y n]Y `h Y g 'G W b Y]X Y b 'b] W h 'b i f 'ZØf 'Y]b Y `Ub \ U`hY b X Y '6`Øh Y gc f[ h ž 'g c b X Y f b 'gc [ Uf 'Y]b Y 'n k Y]h '' 6`Ø\ d \ Ug Y 'Ub f Y [ Y b '\_Ub b '']

YfghYb'6`ØhY'\_Ubb'XUg'K UW\ghi a 'g]W\Yfb'i bX'X]Y'A Ò[`]W\\_Y]h bYi Yf'6`ØhYb'YfÒZZbYb"

## 8 ] Y f ] W \ h ] [ Y G W \ b ] h h h Y W \ b ] \_

5`]W]U'A YbXYg'Ui Z'[ UfhYb'ci fbU`"bYh'Yf`Ài hYfhž'XUgg'XUg
GW\bY]XYb'XYf'A Uf[ Yf]hYb'a ]h'Y]bYf'gW\UfZYb'; UfhYbgW\YfY
YfZc`[ Yb'gc``hYž'i a 'gUi VYfY'GW\b]hhY'ni '[ Yk À\f`Y]ghYb"'9]b
[ Yn]Y`hYg'9bhZYfbYb'XYf'j YfV`Ø\hYb'6`ØhYb'\]`Zhž'X]Y'6]`Xi b[ 'j cb
GUa Yb'ni 'j Yf\]bXYfb'i bX'Y]bY'\_cbh]bi ]Yf`]W\Y'6`ØhY'ni 'ZÒfXYfb"
8 ]Y']XYU'Y'NY]h'ZØf'Y]bYb'F@W\_gW\b]hh']gh'bUW\'XYf'YfghYb'6`ØhY']a
\$\frac{1}{3}\text{Z}'k cVY]'X]Y'GhÀb[ Y``i a 'Y]b'8 f]hhY`'[ Y\_Øfnh'k YfXYb'gc``hYb"

Ni gàhn`]W\ 'Ya dZ]Y\`h'A YbXYg'Y]bYb'< YfVghgW\b]hh'XYf
j YfhfcW\_bYhYb'6`ØhYbghàbXY']a 'C\_hcVYfž'i a 'X]Y'DZUbnYb'Ui Z
XYb'K ]bhYf'j cfni VYfY]hYb"Ni XYa '\_ÒbbYb'Hf]YVY']a ': fØ\ 'U\f
`Y]W\h'[Y\_Øfnh'k YfXYbž'i a 'Y]bY'JYf'Øb[i b['ni 'i bhYfghØhnYb'i bX
Y]b'Vi gW\][YfYg'K UW\ghi a 'ni 'ZÒfXYfb"

## JYfa Y\fi b[ 'i bX'K ]bhYfj cfVYfY]hi b[

9]b k Y]hYfYf \]`ZfY]W Yf H]dd ni f DZY[Y XYf A Uf[Yf]hYb ]gh X]Y

J Yfa Y\fi b[Xi fW GhYW\_`]b[Y"; Ygi bXYž b]W h V Ø\YbXY Hf]YVY

gc``hYb ]a `GdÀhgca a Yf Ui ZY]bY @Àb[Y j cb '%\$ V]g %) `Wa

[YgW b]hhYb k YfXYb " '9g ]gh k ]W h][ ž X]Y i bhYfYb 6`ÀhhYf ni

YbhZYfbYbži a : Ài `b]g ni j Yfa Y]XYb i bX XUg K i fnY`k UW ghi a

ni ZÒfXYfb " 8 ]Y `GhYW\_`]b[Y `VYbÒh][Yb Y]bY [`Y]W a À» ][Y

: Yi W h][ \_Y]h i bX ]XYU Yfk Y]gY Y]bY 5VXYW\_i b[ a ]h hfUbgdUfYbhYf

: c`]Y ni f `GhY][Yfi b[ XYf @ ZhZYi W h][ \_Y]h"

: Øf`XYb`K ]bhYf`Ya dZ]Y\`h`Yg`g]W\ž`X]Y`Hf]YVY`Ui Z`Yhk U`%) `Wa` ØVYf XYa`6cXYb`ni `\_ØfnYb`i bX`XYb`6cXYb`i a`X]Y`DZUbnYb`a ]h`@Ui V cXYf`FY]g][`UVni XYW\_Ybž`i a`Y]bYb`: fcghY]bZi gg`ni `a ]b]a ]YfYb" 8]YgY`DZY[YdfU\_h]\_Yb`ZÒfXYfb`b]W\h`bi f`X]Y`; Ygi bX\Y]h`XYf A Uf[Yf]hYbž`gcbXYfb`i bhYfghØhnYb`Ui W\Y]b`X]W\hY`i bX`fY]W\Y 6`ØhY`]a`bÀW\ghYb`\J\f"

 $\label{eq:linear_norm} \mbox{Ni gUa a YbZUggYbX'nY][h'g]WXžXUgg'X]Y'f]WXh][Y'GWXb]hhhYWXb]_{\cite{A}}$ 

ZØf'A Uf[Yf]hYb'YbhgWXY]XYbX']gh"'DUi `U'\*JbgYb'\YVh']b']\fYa 5fh]\_Y``Ui Z'[UfhYb'ci fbU`"bYh'\Yfj cfž'k]Y'k]WXh]['gcf[ZÀ`h][Y GWXb]hhZØ\fi b[Yb'g]bXž'i a 'K i bX\Y]`i b[Yb'ni 'ZÒfXYfb'i bX'XUg DZUbnYbk UWXghi a 'ni 'VYgWX`Yi b][Yb"'9g']gh'fUhgUa ž'g]WX'VY]'XYf DZY[Y'i bX'VY]a 'GWXbY]XYb'j cb'A Uf[Yf]hYb'Ub'VYk À\fhY A Yh\cXYb'ni '\U`hYbž'i a 'XUg'j c``Y'DchYbn]U``X]YgYf k i bXYfgWX ÒbYb'DZ'UbnYb'Ui gni gWX ÒdZYb"

8 YhU]`g	
Cfh	@IXK][g\UZYbž'8YihgW\`UbX
EiY``Yb	<ul><li>k k k "cd!cb`]bY"XY</li></ul>
	• k k k "[ UfhYb^ci fbU`"bYh
	• k k k "[ UfhYb^ci fbU`"bYh

6Ygi WXYb G]Y i bg Ui Z. b!U[ "bYh