JIE: fangin independent, 11/2/11=1

Fis hamel basis, fanging CE

えんばめるしいりつ?

if I linear functional bounded, pick f. zf. 3f " nf, ", let g= \sum nf: (X.IIIIx) > IP' than L(\sum aixi) = \sum aixi) = \sum aixi unbounded giax+by= \frac{1}{2}nfiax+by)= \frac{1}{2}nafix>+nbfiy) = a\frac{1}{2}nforb\frac{1}{2}nfiy) => g linear ienfly = M. YNER, Inst. (Httm+N)Mラル, i.e. ligholigifnラル · gunbounded 选论的吗. 沙兹保证十分了…, 对在一下input x : b1=b=-bn=0 => independent -- @ then fext, fix=flaier+ anen) = an fleir+ az flex) +.. an.flen) = aiflei) pilei) + azflez) pzlez) + .. aniflen) philen) = (fles) \$1+ fles) \$2+... flen) \$\text{\$\text{\$n} \text{ (alex+... anen)}, \$\forall \chi \text{\$\text{\$\text{\$x\$}}\text{\$\text{\$\text{\$\text{\$X\$}}}\text{\$\texi{\$\text{\$\text{\$\}\exititit{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$ i. V f EX*. f= flex pi+.. flex pn => spouring D which implies {p., pr, ... this are basis of x*, dim X* = dim X Tizis. "Only if": if u minimize Flus, then: Flus = Fluttv) Itell; veH == BIUIU) - fIU) === B(uttv, u+tv) - fluttv) = = = Bluiu>+ = B(v,v)+tB(u,v) - f(10-tf(v)) : f(v)-t = = = B(v,v) + tB(u,v) + t $\{f(v) > \frac{1}{2}B(v,v) + B(u,v) \quad \forall \ t > 0$ Let t > 0 Let t"f" if fiv)=Bluiv), Fltv+u)= = = Bluiu)-flu)+ == Bluiv) +(tBluiv)-oflu) 3 F14)