DATE	/ /		, , ,	, , , ,	1
03. ca). Prove [AB	p = A p B p. A 2 = Smax. =	the larges	singular Vualue of	A
4). f	rom the ILAIL	P= max Ax p P=1	,2,3		Animmunumunum
V	ve can get	HAILD INID # 11AX	· • • · · · · · · · · · · · · · · · · ·	annon to make a constant	
		>x p < A p B>			
	4	5x p = B p : x p. p = A p B p X			
	take 11x1	p to the left.	INIVE OF		
	II/AB>	TIP < NAIPHBIP.	Jally =		
uhen XX	O AB	= ABx p = = X p	1/A/1/P/1/P/	<u> </u>	
	which equ	als to: AB	$\leq \ A\ _{P}$		
		define the 11x11=	l.		
***************************************	a v=UE all :- av ,	=11()5 ,		- A 2 = E 2=	max 三 2.
		z =	Σ	is consist of	fsingular
	Since Vano	1 U are orgo orth	ogonal.	: max//2//2	= 6 max
11	VII2= 11 UII2= 1	· in h	1.	1/All 2 = 6m	Nax

A 100

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No.