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o pl x all trl pa

Lu W n we<sup>1</sup> L xmi t'ou<sup>2</sup>: L k 'mi 'n Mi ' <sup>3</sup> nd i 'nu ' n  
Mi ' <sup>4</sup>

In [2] and [3] extended the method spaces to complex-valued method spaces and established the existence of fixed point theorems under the contractive condition in rational expressions.

It follows from the above that the following conditions are satisfied by  $K$  in the case of  $K$  being

If condition (i) is satisfied then  $(X; d; W)$  is a  $\mathbb{Z}$ -module space by Takahashi's results [18].

at its site





If the operators  $T_n$  form a Cauchy sequence in  $L(AB; CD)$  then their restriction to  $A$  and  $C$  are in  $L(A; C)$  and  $L(B; D)$  the operators  $T^0$  and  $T^{00}$



and







If  $d$  is odd, then  $u_n$  is even for  $n \geq 1$  and  $d$  is odd by Kummer's theorem. If  $d$  is even, then  $u_n$  is odd for  $n \geq 1$ .

If  $u_n \geq Q$  and  $u_{n+1} \geq P$ , then  $u_{n-1} \geq P$ . By hypothesis, it follows that

$$d \leq \frac{u_{n+1}}{u_n} \leq \frac{P}{Q}.$$

$d$



It follows from the definition of the  $K$ -homomorphism  $\phi$  that

When  $n = 3$  we have

$$jd(u_3; u_4)j \neq 1$$









bas *t a*.  
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Utsnitt (4:5) and

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- [11] Camargo, J.L., 1997. An application of a fixed point theorem of Brouwer to the existence of solutions. *Tongji Sci. Tech.* 26 (3), 205-208.

