

matricebispeqtral uri faqtorizacia da veivl etebi

I aSaefremize

speqtral uri faqtorizaciis amocana gul isxmobs wrewirze mocemul i dadebiTi funqciis warmodgenas wris SigniT anal izuri funqciis sasazRvro mniSvnel obebisa da misi SeuRI ebul is namravl is saxiT. skal arul SemTxvevaSi amocana SedarebiT iol ad ixsnaba feier-risisl emisa (pol inomial ur SemTxvevaSi) an seges formul iT (zogadi integrebadi funqciis SemTxvevaSi).

matricis SemTxvevaSi gvaqvs dadebiTad gansazRvrul i matric funqcia da igi unda warmodges anal izuri matric funqciisa da misi ermitul ad SeuRI ebul is namravl is saxiT. am dros amocanis amoxsna gacil ebiT Znel deba vidre skal arul SemTxvevaSi da faqtorizacia aRiwereba cxadi saxiT.

matricis SemTxvevaSi speqtral uri faqtorizaciis arsebobis Teorema damtkicebul iqna n.vineris mier 1958 w-s. mas Semdeg am amocanam hpova mraval i praqtikul i gamoyeneba marTvis Teoriasa da komunikaciebSi. Sesabamisad iyo mraval i mcdel oba Seqmnil iyo matric funqciis speqtral uri faqtorizaciis amocanis miavl oebiTi amonaxsnis meTodebi. moxsenebaSi aRweril i iqneba axal i amgvare al goriTmi, romel ic Seiqmna razmaZis maTematikis institutSi bol o aTvl eul ebis ganmavl obaSi. warmodgenil i iqneba mocemul i meTodis kavSiri veivl etebTan, romel ic warmoadgens harmoniul i anal izis mzard dargs Tavisi mraval i praqtikul i gamoyenebebiT sainJinro saqmeSi.

mocemul i iqneba aseve feier-risis l emis martivi damtkiceba matricul SemTxvevaSi da arasrul i rangis mqone matric funqciebis speqtral uri faqtorizacia.