

Terms	Atamalar	Izoh
<u>Linear algebra</u>	Chiziqli algebra	<p>\mathcal{F} maydon ustidagi V chiziqli fazo elementlari uchun quyidagi aksiomalar bajarilsa,</p> <ol style="list-style-type: none"> $\overline{x}\overline{y} \in V (\forall \overline{x}, \overline{y} \in V)$; $\overline{x}(\overline{y}\overline{z}) = (\overline{x}\overline{y})\overline{z} (\forall \overline{x}, \overline{y}, \overline{z} \in V)$; $\overline{x}(\overline{y} + \overline{z}) = \overline{x}\overline{y} + \overline{x}\overline{z}$ va $(\overline{y} + \overline{z})\overline{x} = \overline{y}\overline{x} + \overline{z}\overline{x} (\forall \overline{x}, \overline{y}, \overline{z})$ $\lambda(\overline{x}\overline{y}) = (\lambda\overline{x})\overline{y} = \overline{x}(\lambda\overline{y}) (\lambda \in F, \forall \overline{x}, \overline{y} \in V)$ <p>u holda V fazoni \mathcal{F} maydon ustidagi chiziqli algebra deyiladi.</p>
The commutative linear algebra	Kommutativ chiziqli algebra	Agar V chiziqli algebrada $\overline{x} \bullet \overline{y} = \overline{y} \bullet \overline{x} (\forall \overline{x}, \overline{y} \in V)$ aksioma bajarilsa, V kommutativ chiziqli algebra deyiladi.
The rank of linear algebra	Chiziqli algebraning rangi	V chiziqli algebraning rangi deb V fazoning o'lchoviga aytiladi.
Isomorphism	Izomorfizm	<p>U va U' algebralar \mathcal{F} maydon ustidagi chiziqli algebralar va $\varphi: U \rightarrow U'$ akslantirish biektiv akslantirish bo'lib, quyidagi shartlar bajarilsa:</p> <ol style="list-style-type: none"> $\varphi(\overline{a} + \overline{b}) = \varphi(\overline{a}) + \varphi(\overline{b})$; $\varphi(\lambda\overline{a}) = \lambda\varphi(\overline{a})$; $\varphi(\overline{a} \cdot \overline{b}) = \varphi(\overline{a}) \cdot \varphi(\overline{b}), \forall \overline{a}, \overline{b} \in V \wedge \forall \lambda \in F$ <p>u holda φ akslantirishga izomorfizm U va U' chiziqli algebralarga esa izomorf chiziqli algebralar deyiladi</p>

GLOSSARIY

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Linear algebra	<u>Chiziqli algebra</u>	Vektor fazoda chiziqli akslantirish yordanida aniqlanadigan algebra
<u>vector spaces.</u>	Vektor fazo	Elementlari vektorlardan iborat va unda aniqlangan algebraic amallar bilan birgalikda ma'lum

		aksiomalarni qanoatlantiruvchi to'plam.
Linear map	Chiziqli akslantirish	Biror maydon ustida qurilgan ikkita vector fazoni birini ikkinchisiga akslantirganda additivlik hamda skalyarga ko'paytirishga nisbatan amalni saqlaydigan akslantirish
Linear operator	Chiziqli operator	Biror maydon ustida qurilgan vector fazoni o'ziga akslantiradigan chiziqli akslantirish
Difference		Ayirma
Axiom		Aksioma
To belong		Tegishli bo'lmoq
Any		Ixtiyoriy
For example		Masalan
Property		Xossa
To denote		Belgilamoq