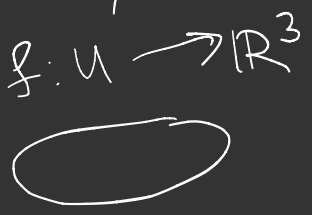
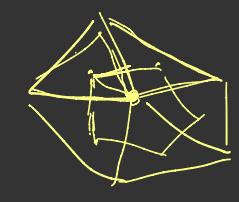
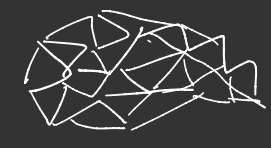


Трёхмерный
муп

Линейная
Laplacian

Двухмерный
муп

Изобог. ф.
|| уб ф.

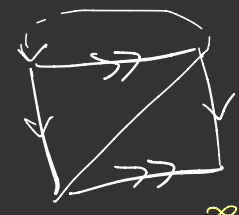
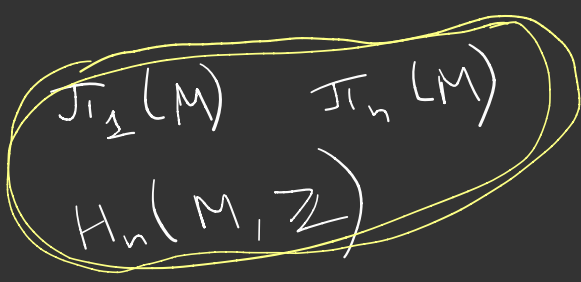


"Трёхмерный"
муп M

Симметричные
компоненты

\mathbb{R}

M

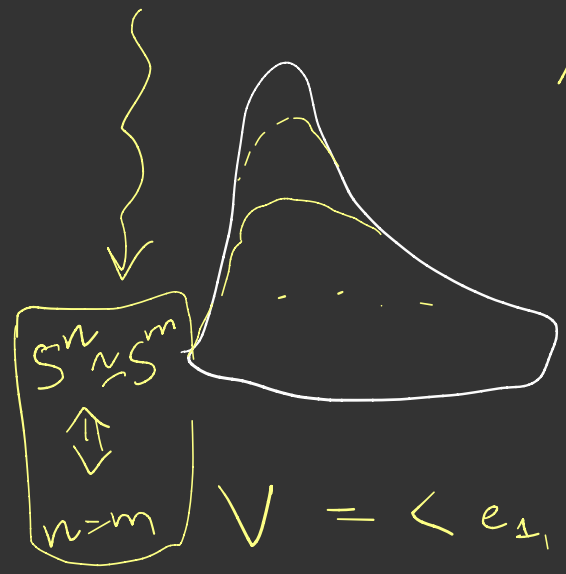


$f \in C^\infty(\mathbb{R}^n)$

$f \in C^\infty(M)$
?

$$\Delta f = \sum_{i=1}^n \frac{\partial^2 f}{\partial x_i^2}$$

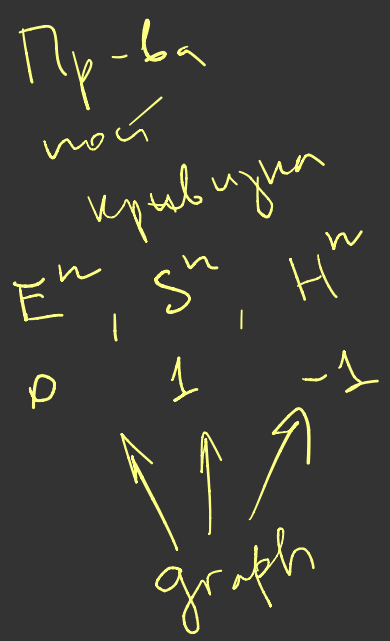
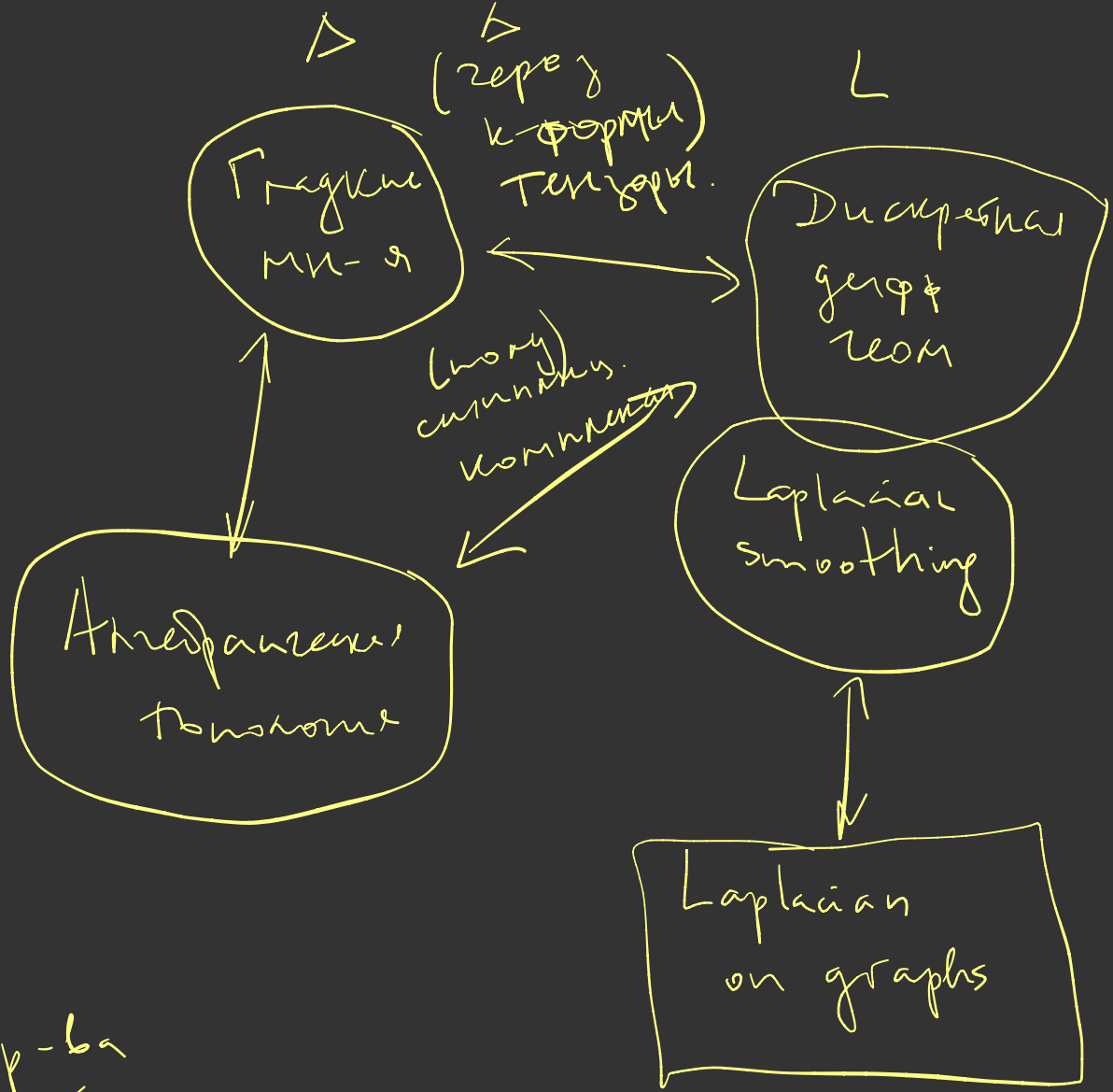
$$T_{\vec{v}_1, \dots, \vec{v}_p}^{\vec{v}_1, \dots, \vec{v}_q} f(x) = \dots$$



$V = \langle e_1, \dots, e_n \rangle$

$V^* = \langle f_1, \dots, f_n \rangle$

$$f_i(e_j) = \begin{cases} 1 & i=j \\ 0 & i \neq j \end{cases}$$



Хроматическое число \leftrightarrow нейронам