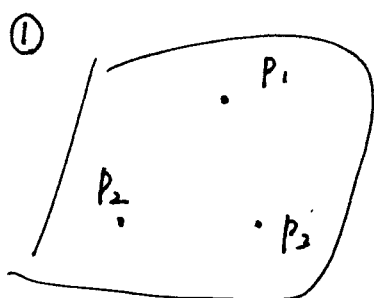


a tetrahedron
and $\forall T'$ with h_1', h_2', h_3', h_4' and vertices

$$p_i' = \bigcap_{j \neq i} h_j'$$

if $\forall i, p_i' \in h_j$ for some j , then T' is ^{said to be} inscribed in T .

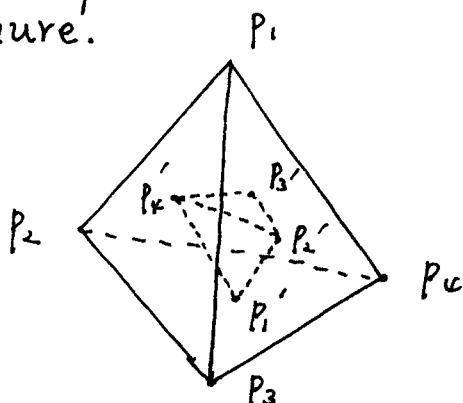
'Reasons' for the definition above.



h_4 We can not define a line segment (complex) joining P_i and P_j .

② In h_4 , $\overline{P_1 P_2} \cup \overline{P_2 P_3} \cup \overline{P_1 P_3}$ does not separate h_4 into pieces (connected components), since $\dim_{\mathbb{C}} \overline{P_i P_j} = 1$ and $\dim_{\mathbb{C}} h_4 = 2 \Rightarrow$ We can not say 'outside', & 'inside' of $\Delta P_1 P_2 P_3$.

③ By ① & ②, as we can see in the 3-dimensional space, we don't have the following figure.



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