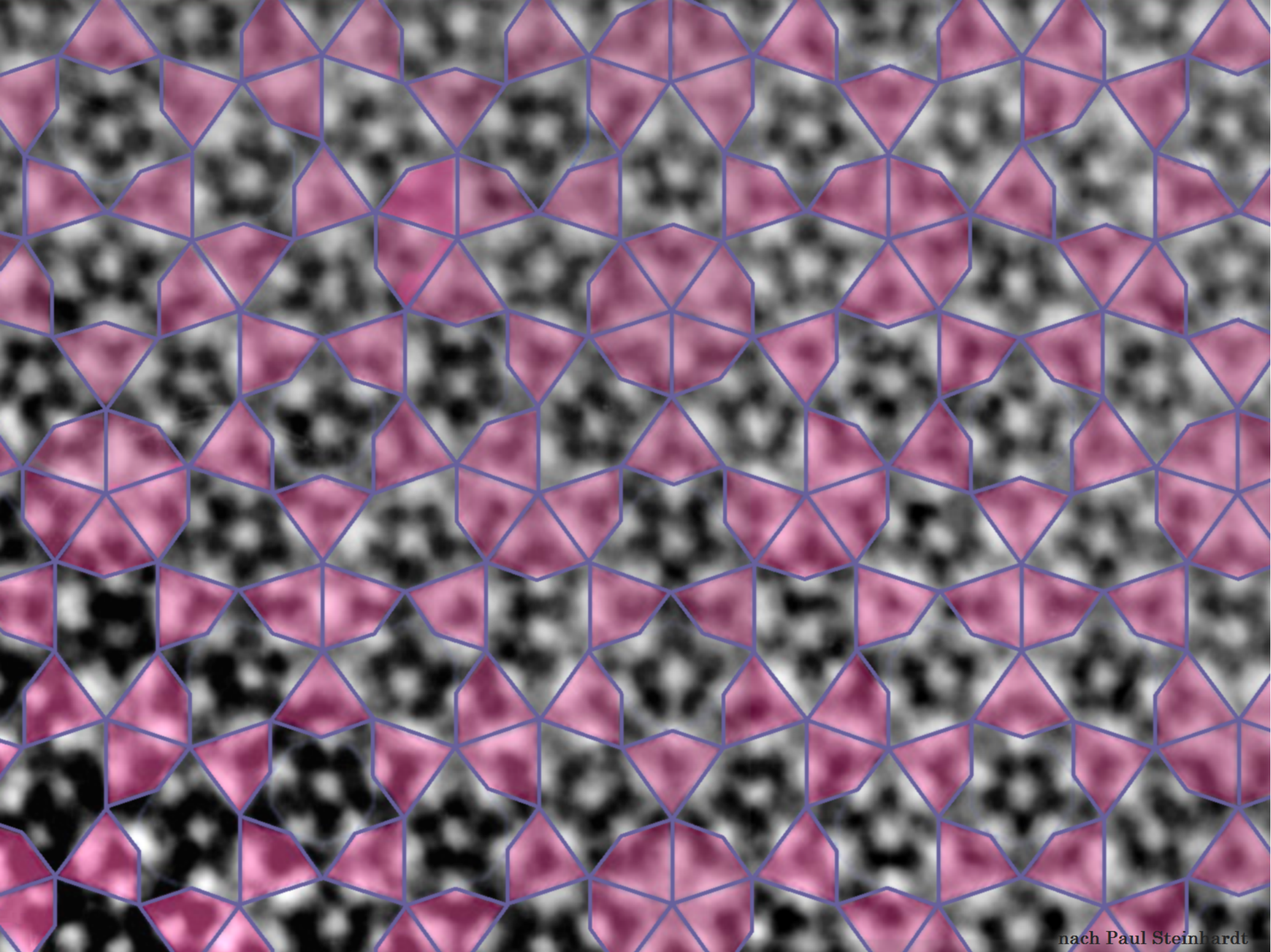
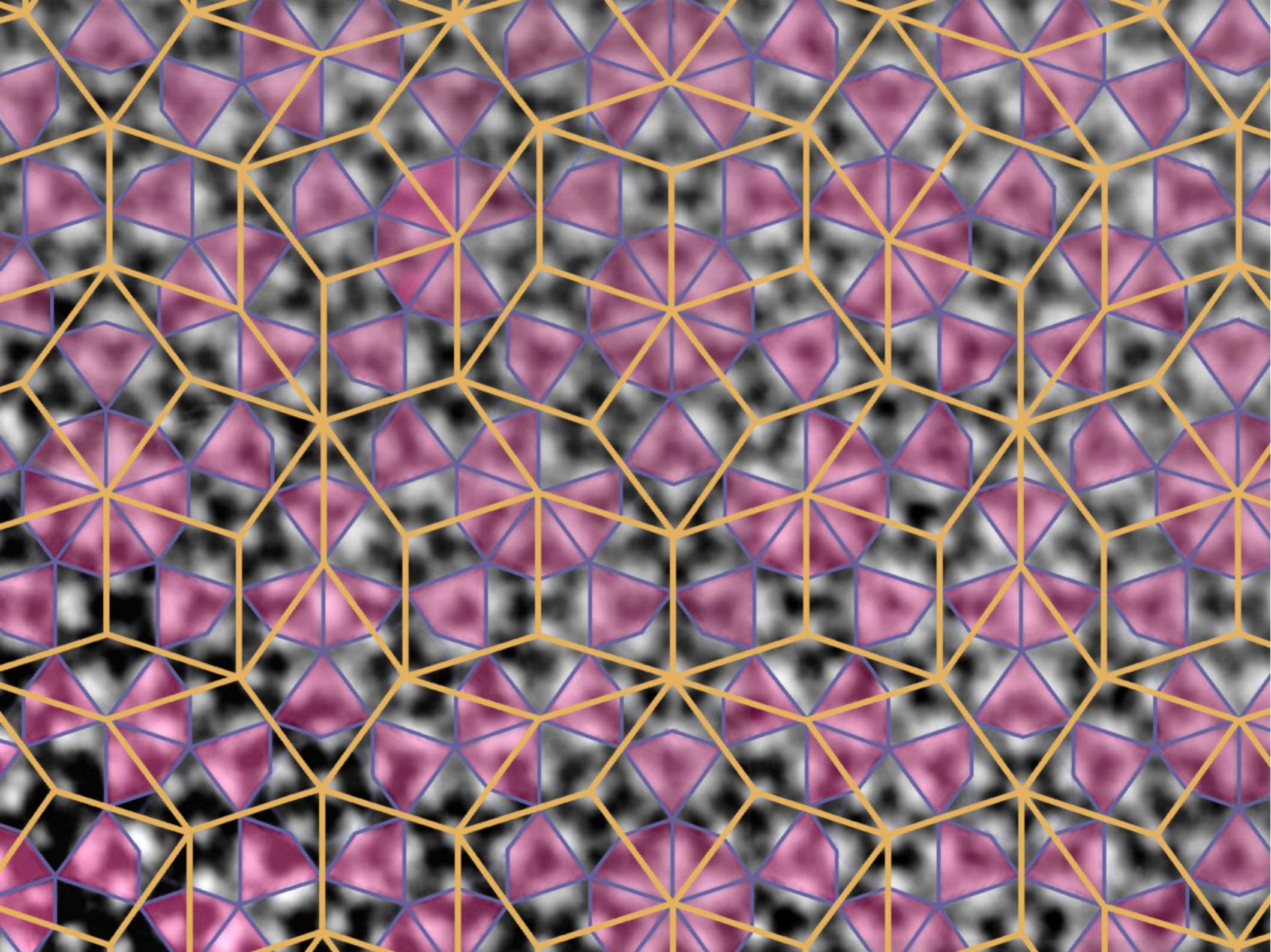
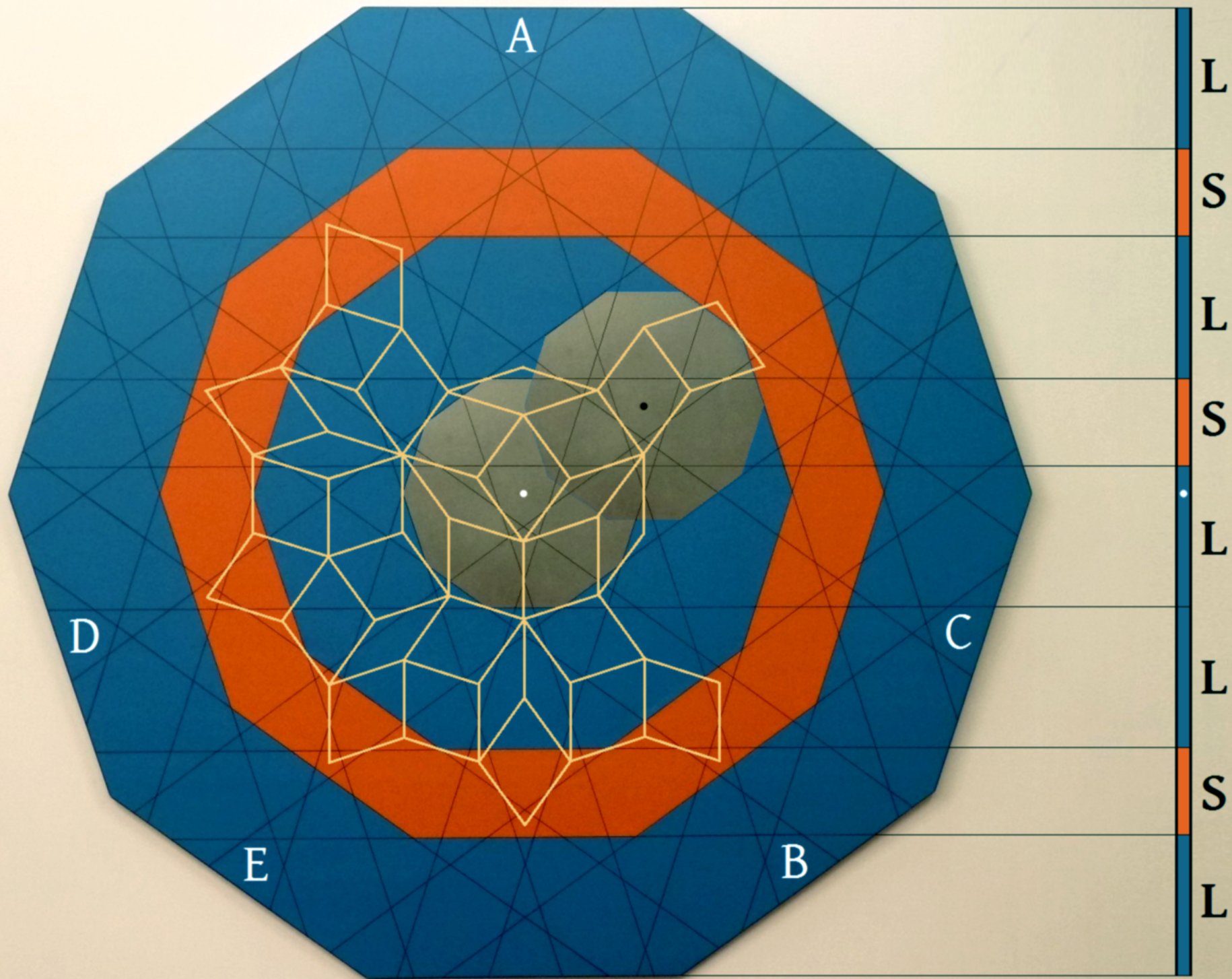
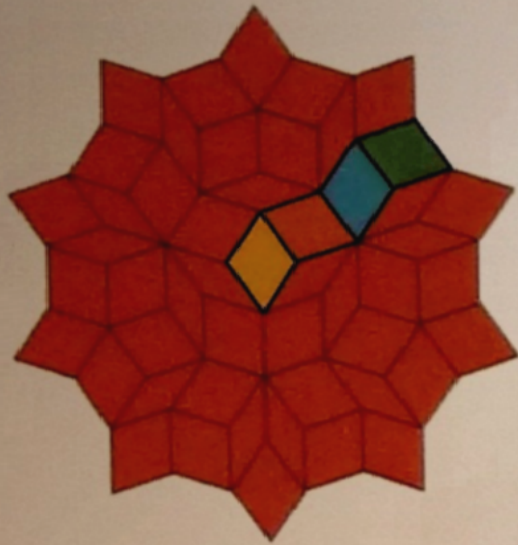
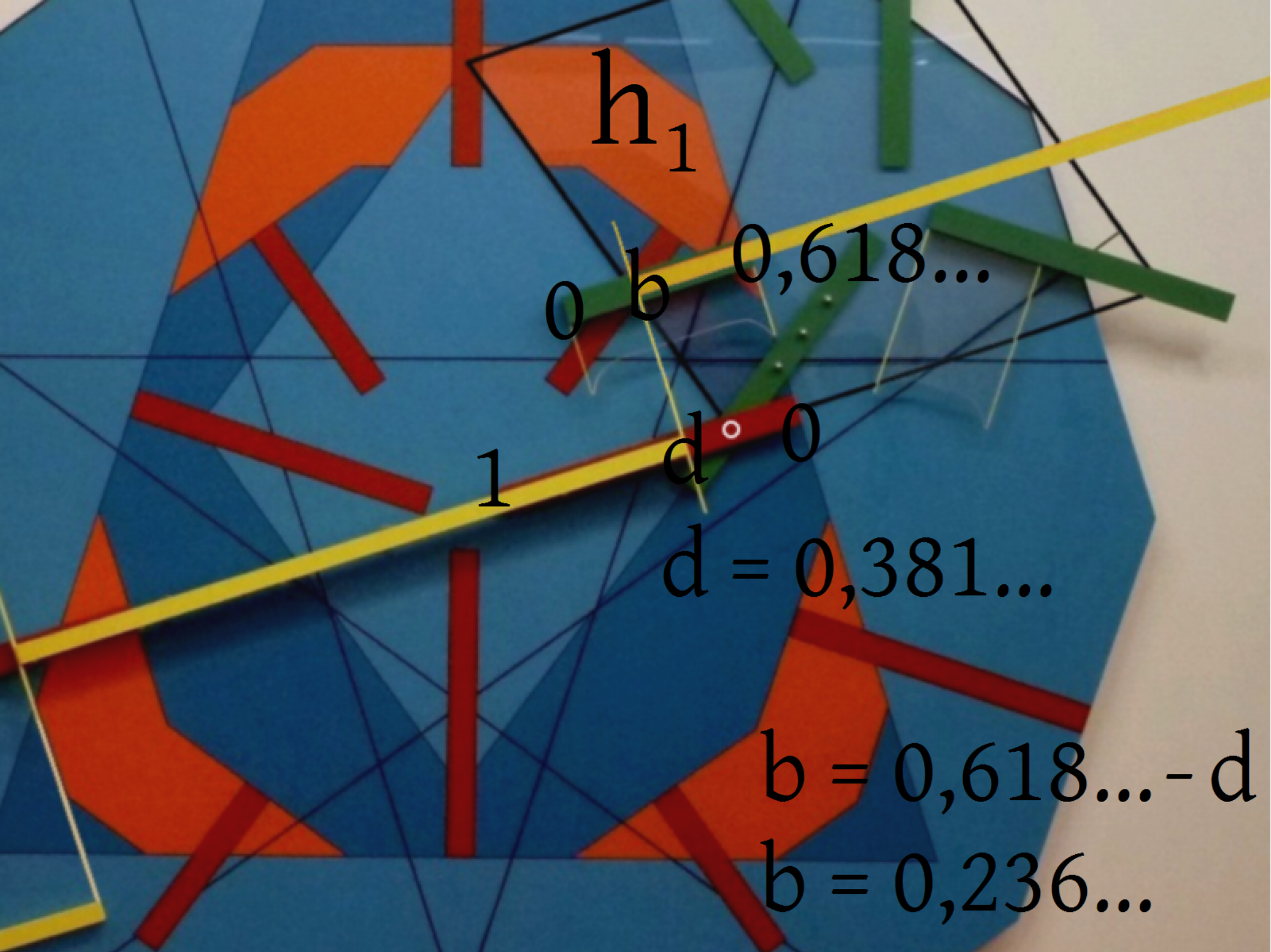










An abstract geometric artwork featuring a complex arrangement of overlapping polygons and lines. The background is a light blue-grey. Overlaid on this are several large, irregular polygons in shades of orange, red, and dark blue. A network of thin, dark blue lines crisscrosses the composition. Two prominent, thick yellow lines run diagonally across the image. Several green and red lines, some straight and some curved, are also visible. The overall effect is one of layered, dynamic geometry.

h_1

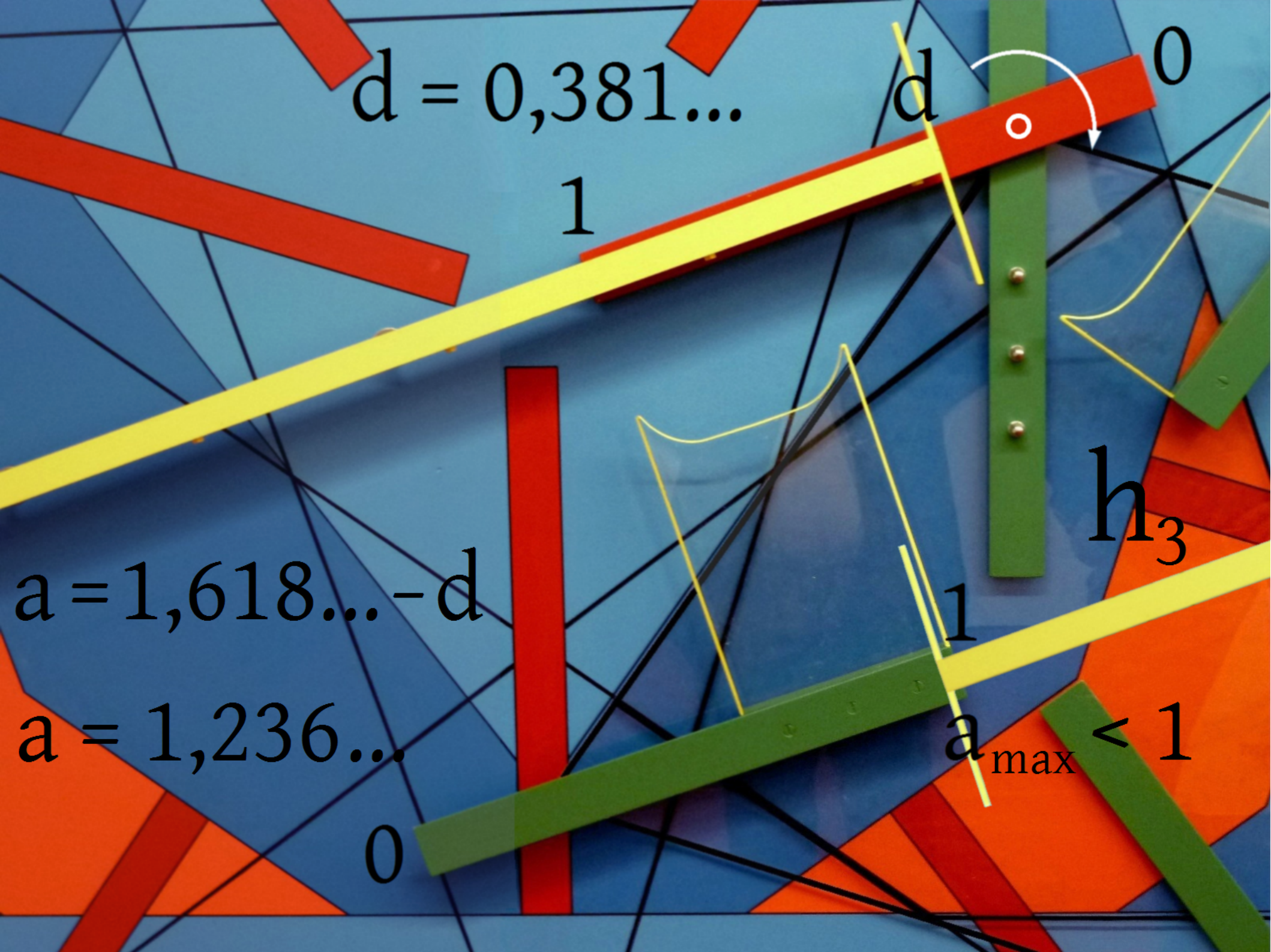
0 b 0,618...

1 d 0

$d = 0,381...$

$b = 0,618... - d$

$b = 0,236...$



The image is an abstract composition featuring several overlapping, semi-transparent strips of color: red, yellow, and green. These strips are set against a background of a blue field with a network of thin black lines that intersect to form various geometric shapes. Mathematical formulas are overlaid on the image in a black serif font. A white curved arrow points from the label 'd' to a small white circle on a red strip. Another white line points from the label 'a_max' to a green strip. The overall aesthetic is that of a mathematical or scientific visualization.

$$d = 0,381\dots$$

1

d

0



h_3

$$a = 1,618\dots - d$$

$$a = 1,236\dots$$

a

max

< 1

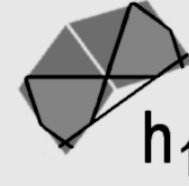
0

$a_{0...i\bar{1}} = 1 - d_{0...i}$	$\in$
$b_{0...i\bar{1}} = e_{0...i}$	$\in$
$c_{0...i\bar{1}} = 1 - a_{0...i}$	$\in$
$d_{0...i\bar{1}} = \tau^{-1} - b_{0...i}$	$\in$
$e_{0...i\bar{1}} = \tau^{-1} - c_{0...i}$	



$$t(Q_{0...i}) = T$$

$a_{0...i} =$	$\in$	a^{def}
$b_{0...i} =$	$\in$	b^{def}
$c_{0...i} =$	$\in$	c^{def}
$d_{0...i} =$	$\in$	d^{def}
$e_{0...i} =$	$\in$	e^{def}



$a_{0...i1} = 1 - c_{0...i}$	$\in$
$b_{0...i1} = \tau^{-1} - d_{0...i}$	
$c_{0...i1} = \tau^{-1} - e_{0...i}$	$\in$
$d_{0...i1} = 1 - a_{0...i}$	$\in$
$e_{0...i1} = b_{0...i}$	$\in$

$a_{0...i\bar{4}} = \tau^{-1} - b_{0...i}$	$\in$
$b_{0...i\bar{4}} = -\tau^{-1} + c_{0...i}$	
$c_{0...i\bar{4}} = 1 - d_{0...i}$	$\in$
$d_{0...i\bar{4}} = e_{0...i}$	$\in$
$e_{0...i\bar{4}} = 1 - a_{0...i}$	



$$0 < a^{\text{def}}(c^{\text{def}}, d^{\text{def}}) < 1$$

$$0 < b^{\text{def}}(e^{\text{def}}) < \tau^{-1}$$



$a_{0...i2} = \tau^{-1} - e_{0...i}$	$\in$
$b_{0...i2} = 1 - a_{0...i}$	
$c_{0...i2} = b_{0...i}$	$\in$
$d_{0...i2} = 1 - c_{0...i}$	$\in$
$e_{0...i2} = -\tau^{-1} + d_{0...i}$	

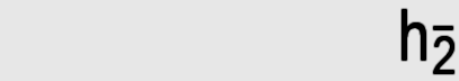
$a_{0...i\bar{3}} = \tau - c_{0...i}$	
$b_{0...i\bar{3}} = 1 - d_{0...i}$	
$c_{0...i\bar{3}} = 1 - e_{0...i}$	$\in$
$d_{0...i\bar{3}} = \tau - a_{0...i}$	
$e_{0...i\bar{3}} = b_{0...i}$	$\in$



$i, j \in \{\bar{1}, \bar{4}, \bar{3}, \bar{2}, \bar{5}, 5, 4, 3, 2, 1\}$										
j	$\bar{1}$	$\bar{4}$	$\bar{3}$	$\bar{2}$	$\bar{5}$	5	4	3	2	1
t _j										



$a_{0...i3} = \tau - d_{0...i}$	
$b_{0...i3} = e_{0...i}$	$\in$
$c_{0...i3} = \tau - a_{0...i}$	
$d_{0...i3} = 1 - b_{0...i}$	$\in$
$e_{0...i3} = 1 - c_{0...i}$	



$a_{0...i\bar{2}} = 1 - b_{0...i}$	$\in$
$b_{0...i\bar{2}} = c_{0...i}$	
$c_{0...i\bar{2}} = 1 - d_{0...i}$	$\in$
$d_{0...i\bar{2}} = \tau^{-1} + e_{0...i}$	
$e_{0...i\bar{2}} = \tau^{-1} - a_{0...i}$	

$a_{0...i\bar{5}} = \tau^{-1} + e_{0...i}$	
$b_{0...i\bar{5}} = -\tau^{-1} + a_{0...i}$	
$c_{0...i\bar{5}} = 1 - b_{0...i}$	$\in$
$d_{0...i\bar{5}} = c_{0...i}$	$\in$
$e_{0...i\bar{5}} = 1 - d_{0...i}$	

$a_{0...i5} = \tau^{-1} + b_{0...i}$	
$b_{0...i5} = 1 - c_{0...i}$	
$c_{0...i5} = d_{0...i}$	$\in$
$d_{0...i5} = 1 - e_{0...i}$	$\in$
$e_{0...i5} = -\tau^{-1} + a_{0...i}$	

$a_{0...i4} = 1 - e_{0...i}$	$\in$
$b_{0...i4} = \tau^{-1} - a_{0...i}$	
$c_{0...i4} = \tau^{-1} + b_{0...i}$	
$d_{0...i4} = 1 - c_{0...i}$	$\in$
$e_{0...i4} = d_{0...i}$	

$a_{013\bar{1}} = 1 - d_{013}$	$\in$
$b_{013\bar{1}} = e_{013}$	$\in$
$c_{013\bar{1}} = 1 - a_{013}$	$\in$
$d_{013\bar{1}} = \tau^{-1} - b_{013}$	$\in$
$e_{013\bar{1}} = \tau^{-1} - c_{013}$	



$$t(Q_{013}) = T$$

$a_{013} = 0,618... + \mu_0$	$\in$	a^{def}
$b_{013} = \mu_0$	$\in$	b^{def}
$c_{013} = 0,618... + \mu_0$	$\in$	c^{def}
$d_{013} = 0,381... + \mu_0$	$\in$	d^{def}
$e_{013} = 0,381... + \mu_0$	$\in$	e^{def}



$a_{0131} = 0,381... - \mu_0$	$\in$
$b_{0131} = 0,236... - \mu_0$	$\in$
$c_{0131} = 0,236... - \mu_0$	$\in$
$d_{0131} = 0,381... - \mu_0$	$\in$
$e_{0131} = \mu_0$	$\in$

$a_{013\bar{4}} = \tau^{-1} - b_{013}$	$\in$
$b_{013\bar{4}} = -\tau^{-1} + c_{013}$	
$c_{013\bar{4}} = 1 - d_{013}$	$\in$
$d_{013\bar{4}} = e_{013}$	$\in$
$e_{013\bar{4}} = 1 - a_{013}$	



$$0 < a^{def}(c^{def}, d^{def}) < 1$$

$$0 < b^{def}(e^{def}) < \tau^{-1}$$



$a_{0132} = \tau^{-1} - e_{013}$	$\in$
$b_{0132} = 0,381... - \mu_0$	$\in$
$c_{0132} = b_{013}$	$\in$
$d_{0132} = 1 - c_{013}$	$\in$
$e_{0132} = -0,236... + \mu_0$	$\notin$

$a_{013\bar{3}} = \tau - c_{013}$	
$b_{013\bar{3}} = 1 - d_{013}$	
$c_{013\bar{3}} = 1 - e_{013}$	$\in$
$d_{013\bar{3}} = \tau - a_{013}$	
$e_{013\bar{3}} = b_{013}$	$\in$

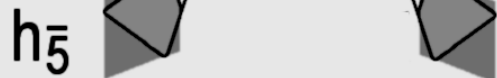


$i, j \in \{\bar{1}, \bar{4}, \bar{3}, \bar{2}, \bar{5}, 5, 4, 3, 2, 1\}$										
j	$\bar{1}$	$\bar{4}$	$\bar{3}$	$\bar{2}$	$\bar{5}$	5	4	3	2	1
t_j								F	F	T



$a_{0133} = 1,236... - \mu_0$	$\notin$
$b_{0133} = e_{013}$	$\in$
$c_{0133} = 1 - \mu_0$	$\in$
$d_{0133} = 1 - b_{013}$	$\in$
$e_{0133} = 0,381... - \mu_0$	$\in$

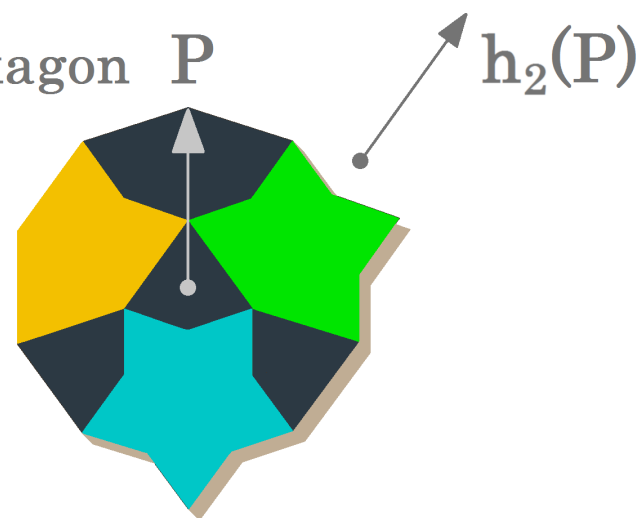
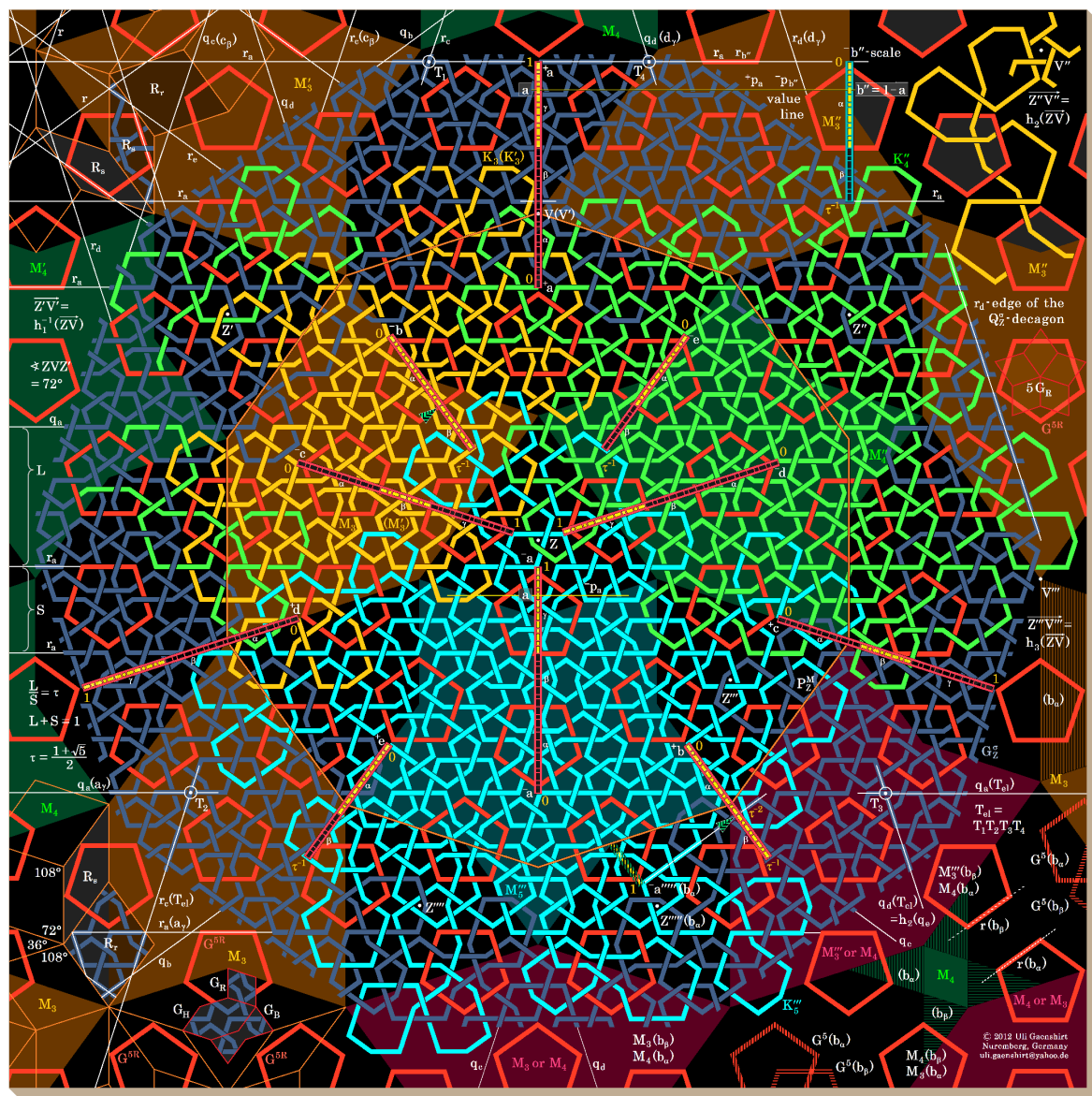
$a_{013\bar{2}} = 1 - b_{013}$	$\in$
$b_{013\bar{2}} = c_{013}$	
$c_{013\bar{2}} = 1 - d_{013}$	$\in$
$d_{013\bar{2}} = \tau^{-1} + e_{013}$	
$e_{013\bar{2}} = \tau^{-1} - a_{013}$	



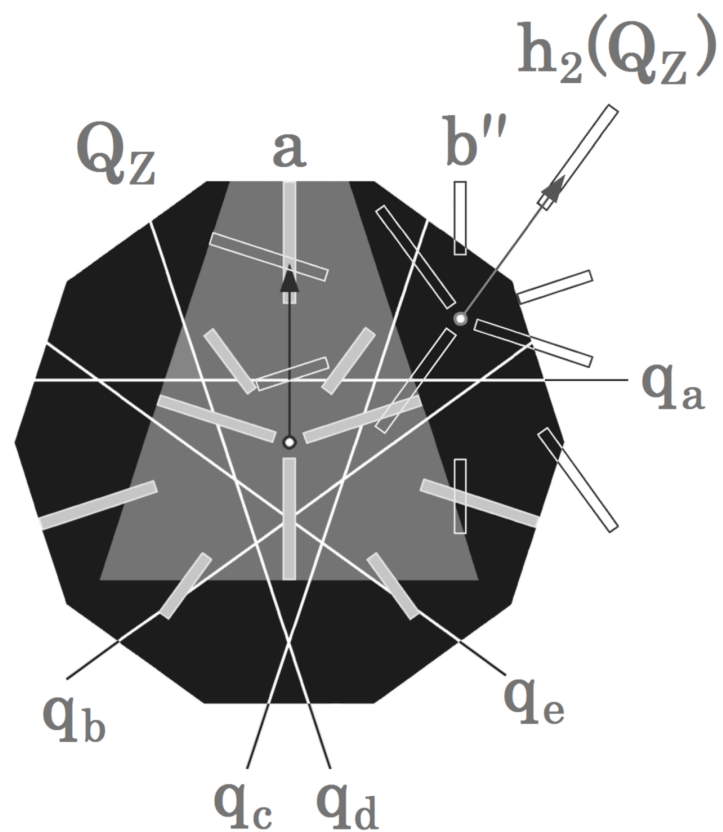
$a_{0135} = \tau^{-1} + b_{013}$	
$b_{0135} = 1 - c_{013}$	
$c_{0135} = d_{013}$	$\in$
$d_{0135} = 1 - e_{013}$	$\in$
$e_{0135} = -\tau^{-1} + a_{013}$	

$a_{0134} = 1 - e_{013}$	$\in$
$b_{0134} = \tau^{-1} - a_{013}$	
$c_{0134} = \tau^{-1} + b_{013}$	
$d_{0134} = 1 - c_{013}$	$\in$
$e_{0134} = d_{013}$	

Gummelt-Dekagon $P \nearrow h_2(P)$



$$b'' = 1 - a$$



$a_{0...i\bar{1}} = 1 - d_{0...i} \in$
$b_{0...i\bar{1}} = e_{0...i} \in$
$c_{0...i\bar{1}} = 1 - a_{0...i} \in$
$d_{0...i\bar{1}} = \tau^{-1} - b_{0...i} \in$
$e_{0...i\bar{1}} = \tau^{-1} - c_{0...i} \in$



$$t(Q_Z) = T$$

$0,618... < a_Z < 1$	$\in$	a^{def}
$0 < b_Z < 0,618...$	$\in$	b^{def}
$0,381... < c_Z < 0,618...$	$\in$	c^{def}
$0,618... < d_Z < 1$	$\in$	d^{def}
$0 < e_Z < 0,381...$	$\in$	e^{def}



$a_{0...i1} = 1 - c_{0...i} \in$
$b_{0...i1} = \tau^{-1} - d_{0...i} \notin$
$c_{0...i1} = \tau^{-1} - e_{0...i} \in$
$d_{0...i1} = 1 - a_{0...i} \in$
$e_{0...i1} = b_{0...i} \in$

$a_{0...i\bar{4}} = \tau^{-1} - b_{0...i} \in$
$b_{0...i\bar{4}} = -\tau^{-1} + c_{0...i} \notin$
$c_{0...i\bar{4}} = 1 - d_{0...i} \in$
$d_{0...i\bar{4}} = e_{0...i} \in$
$e_{0...i\bar{4}} = 1 - a_{0...i} \in$



$$0 < a^{\text{def}}(c^{\text{def}}, d^{\text{def}}) < 1$$

$$0 < b^{\text{def}}(e^{\text{def}}) < \tau^{-1}$$



$a_{0...i2} = \tau^{-1} - e_{0...i} \in$
$b_{0...i2} = 1 - a_{0...i} \in$
$c_{0...i2} = b_{0...i} \in$
$d_{0...i2} = 1 - c_{0...i} \in$
$e_{0...i2} = -\tau^{-1} + d_{0...i} \in$

$a_{0...i\bar{3}} = \tau - c_{0...i} \notin$
$b_{0...i\bar{3}} = 1 - d_{0...i} \in$
$c_{0...i\bar{3}} = 1 - e_{0...i} \in$
$d_{0...i\bar{3}} = \tau - a_{0...i} \in$
$e_{0...i\bar{3}} = b_{0...i} \in$



$i, j \in \{\bar{1}, \bar{4}, \bar{3}, \bar{2}, \bar{5}, 5, 4, 3, 2, 1\}$										
j	$\bar{1}$	$\bar{4}$	$\bar{3}$	$\bar{2}$	$\bar{5}$	5	4	3	2	1
t_j	T	F	F	F	T	T_F	F	T	T	F



$a_{0...i3} = \tau - d_{0...i} \in$
$b_{0...i3} = e_{0...i} \in$
$c_{0...i3} = \tau - a_{0...i} \in$
$d_{0...i3} = 1 - b_{0...i} \in$
$e_{0...i3} = 1 - c_{0...i} \in$

$a_{0...i\bar{2}} = 1 - b_{0...i} \in$
$b_{0...i\bar{2}} = c_{0...i} \in$
$c_{0...i\bar{2}} = 1 - d_{0...i} \in$
$d_{0...i\bar{2}} = \tau^{-1} + e_{0...i} \notin$
$e_{0...i\bar{2}} = \tau^{-1} - a_{0...i} \notin$

$h_{\bar{2}}$



$h_{\bar{5}}$



h_5



h_5



h_4

$a_{0...i\bar{5}} = \tau^{-1} + e_{0...i} \in$
$b_{0...i\bar{5}} = -\tau^{-1} + a_{0...i} \in$
$c_{0...i\bar{5}} = 1 - b_{0...i} \in$
$d_{0...i\bar{5}} = c_{0...i} \in$
$e_{0...i\bar{5}} = 1 - d_{0...i} \in$

$a_{0...i5} = \tau^{-1} + b_{0...i}$	
$b_{0...i5} = 1 - c_{0...i} \in$	
$c_{0...i5} = d_{0...i} \in$	
$d_{0...i5} = 1 - e_{0...i} \in$	
$e_{0...i5} = -\tau^{-1} + a_{0...i} \in$	

$a_{0...i4} = 1 - e_{0...i}$	$\in$
$b_{0...i4} = \tau^{-1} - a_{0...i}$	$\notin$
$c_{0...i4} = \tau^{-1} + b_{0...i}$	
$d_{0...i4} = 1 - c_{0...i}$	$\in$
$e_{0...i4} = d_{0...i}$	$\notin$