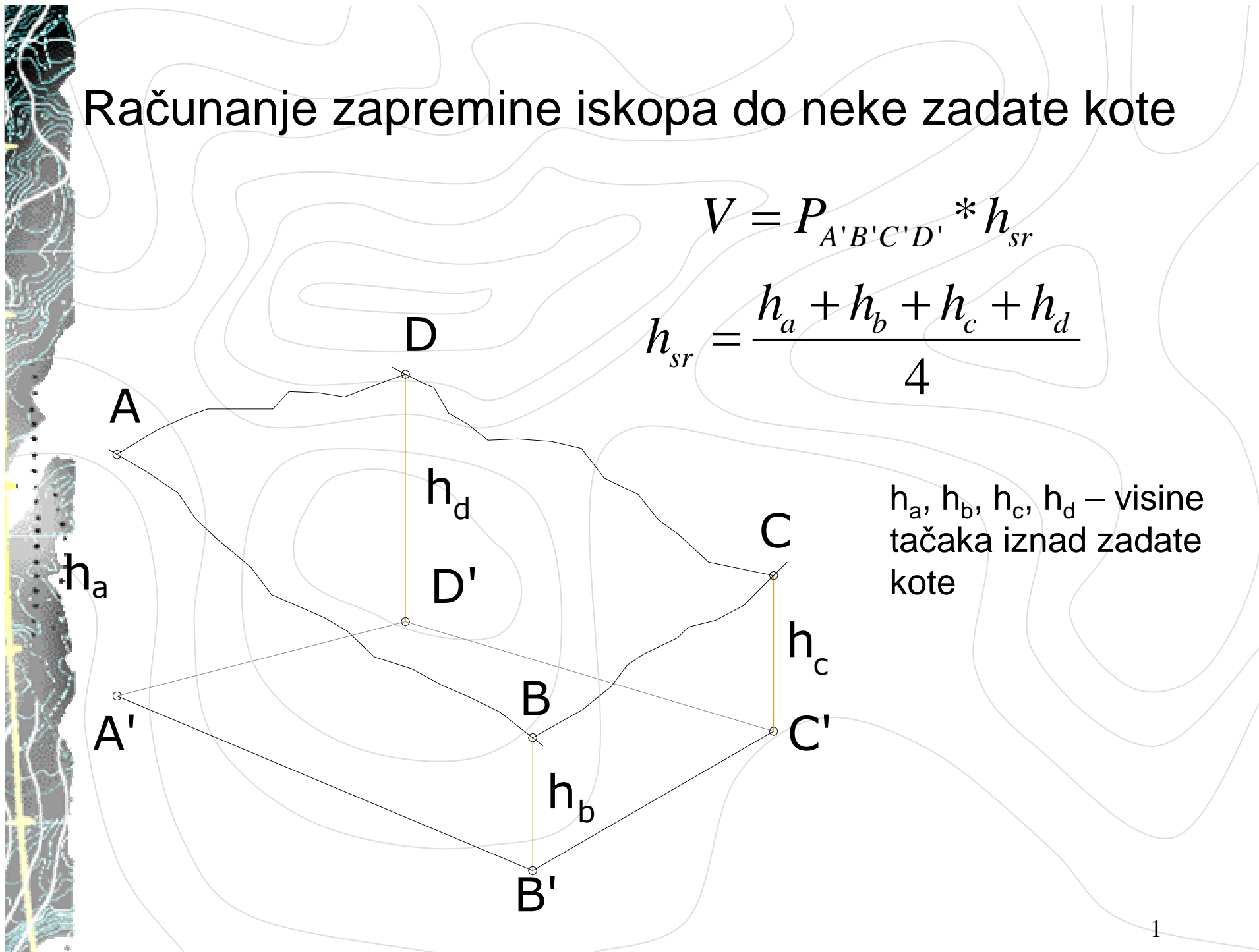


# Računanje zapremine iskopa do neke zadate kote

$$V = P_{A'B'C'D'} * h_{sr}$$

$$h_{sr} = \frac{h_a + h_b + h_c + h_d}{4}$$

$h_a, h_b, h_c, h_d$  – visine tačkaka iznad zadate kote





## Računanje srednje visine

$$H_0 = H_{T1}$$

$$h_{550} = H_{550} - H_0$$

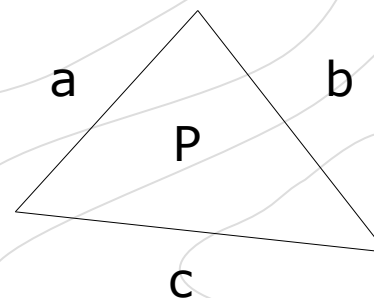
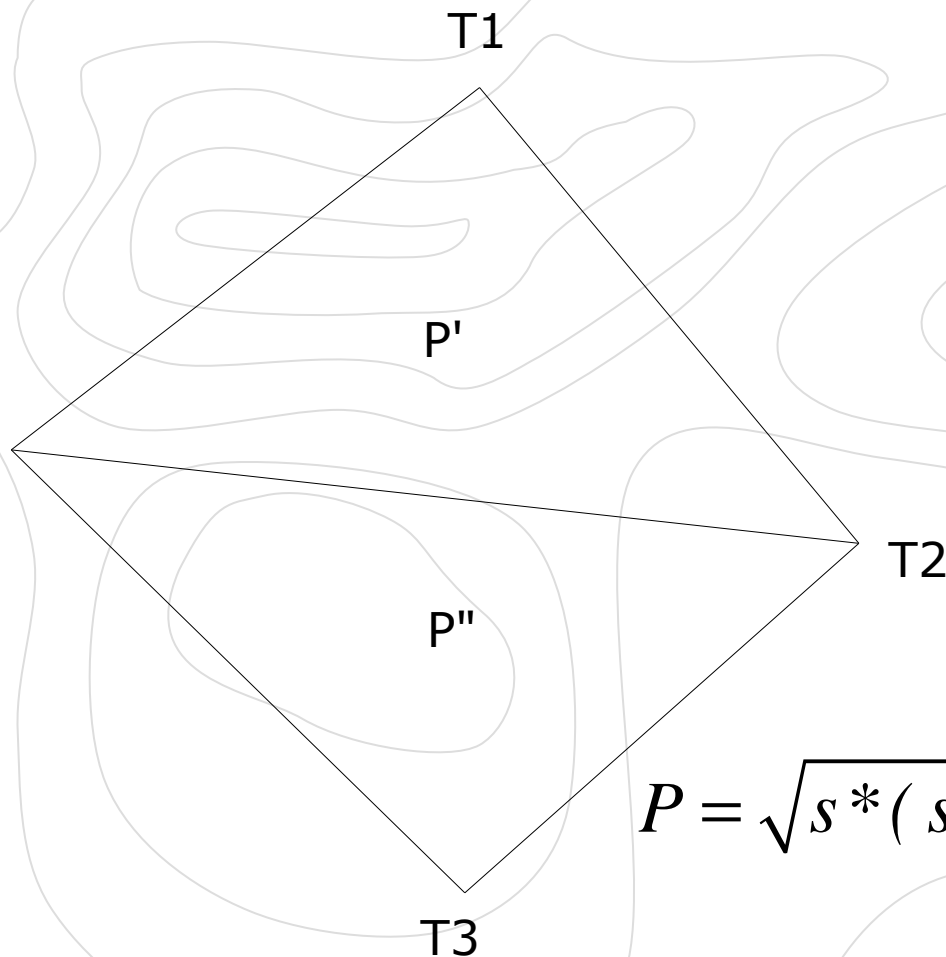
$$h_{T1} = H_{T1} - H_0$$

$$h_{T2} = H_{T2} - H_0$$

$$h_{T3} = H_{T3} - H_0$$

$$h_{sr} = \frac{h_{550} + h_{T1} + h_{T2} + h_{T3}}{4}$$

# Računanje površine osnovice (1. način)

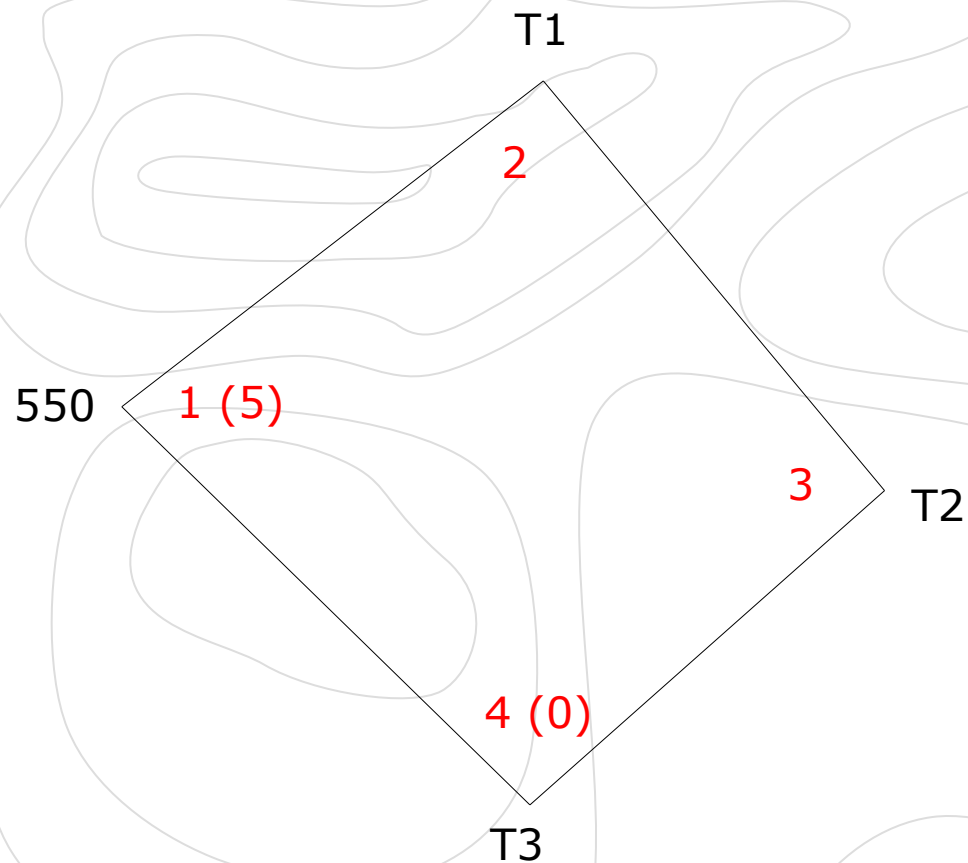


$$s = \frac{a + b + c}{2}$$

$$P = \sqrt{s * (s - a) * (s - b) * (s - c)}$$

$$P_1 = P' + P''$$

## Računanje površine osnovice (2. način)



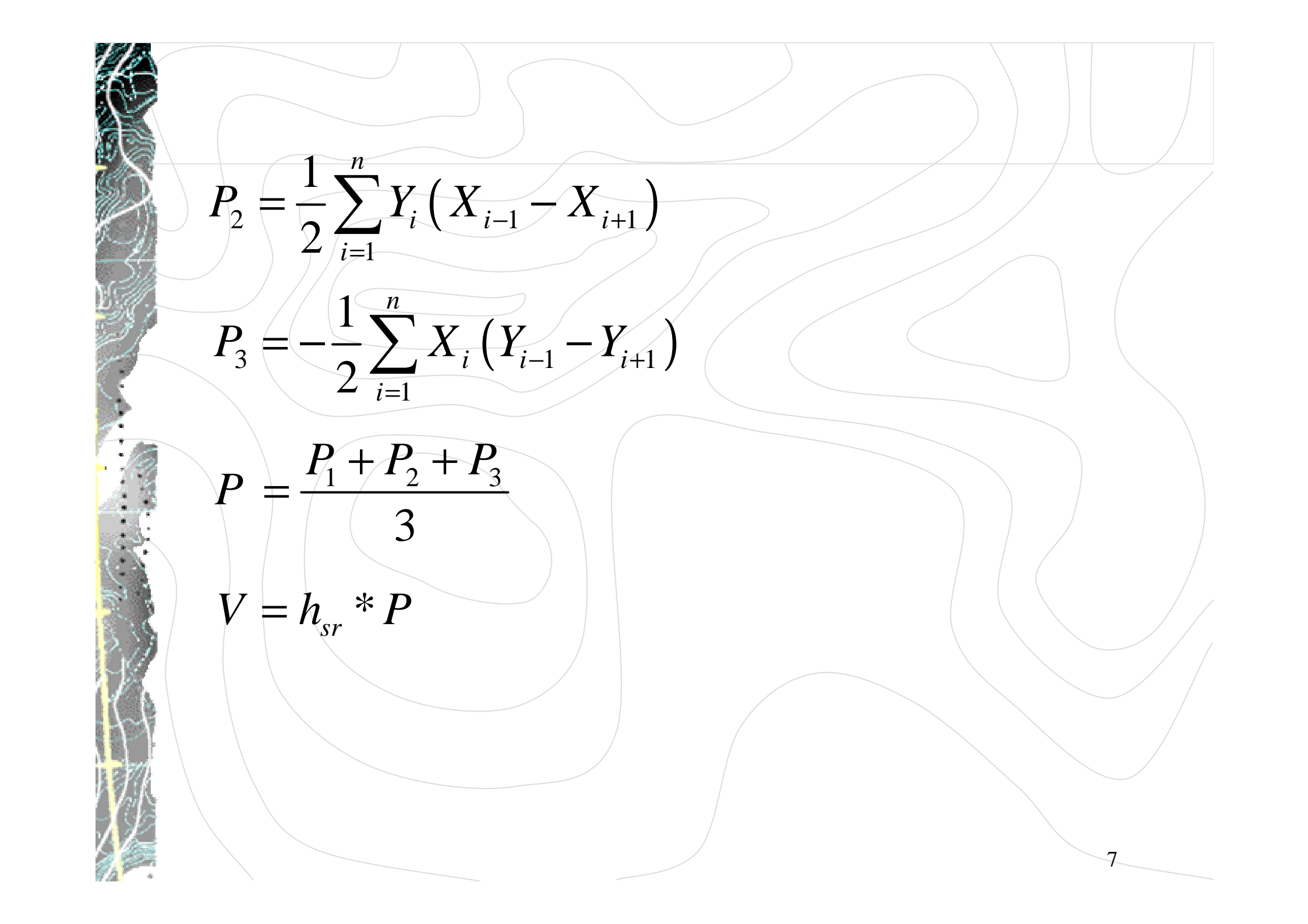
$$P = \frac{1}{2} \sum_{i=1}^n Y_i (X_{i-1} - X_{i+1}) = -\frac{1}{2} \sum_{i=1}^n X_i (Y_{i-1} - Y_{i+1})$$

rb	tačka	Y	X	$x_i^*(y_{i-1}-y_{i+1})$	$y_i^*(x_{i-1}-x_{i+1})$
0	(T3)	$Y_{T3}$	$X_{T3}$		
1	550	$Y_{550}^*$	$X_{550}$		
2	T1	$Y_{T1}$	$X_{T1}$		
3	T2	$Y_{T2}$	$X_{T2}$		
4	T3	$Y_{T3}$	$X_{T3}$		
5	(550)	$Y_{550}$	$X_{550}$		

$$P = \frac{1}{2} \sum_{i=1}^n Y_i (X_{i-1} - X_{i+1}) \quad 2P = \sum_{i=1}^n Y_i (X_{i-1} - X_{i+1})$$

rb	tačka	Y	X	$x_i^*(y_{i-1}-y_{i+1})$	$y_i^*(x_{i-1}-x_{i+1})$
0	(T3)	$Y_{T3}$	$X_{T3}$		
1	550	$Y_{550}$	$X_{550}$		
2	T1	$Y_{T1}^*$	$X_{T1}$		
3	T2	$Y_{T2}$	$X_{T2}$		
4	T3	$Y_{T3}$	$X_{T3}$		
5	(550)	$Y_{550}$	$X_{550}$		

$$P = \frac{1}{2} \sum_{i=1}^n Y_i (X_{i-1} - X_{i+1}) \quad 2P = \sum_{i=1}^n Y_i (X_{i-1} - X_{i+1})$$


$$P_2 = \frac{1}{2} \sum_{i=1}^n Y_i (X_{i-1} - X_{i+1})$$

$$P_3 = -\frac{1}{2} \sum_{i=1}^n X_i (Y_{i-1} - Y_{i+1})$$

$$P = \frac{P_1 + P_2 + P_3}{3}$$

$$V = h_{sr} * P$$