

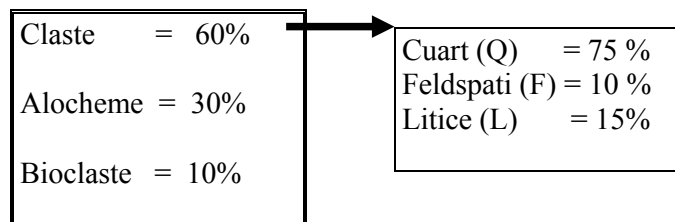
ANALIZA MODALA a ROCILOR SEDIMENTARE

Definitii - principii

- Prin analiza modala evaluam participarea cantitativa a componentilor in roca (pe care o exprimam in % pentru fiecare component in parte.
- In functie de scopul urmarit si de forma de reprezentare aleasa (histograma, diagrama binara, diagrama ternara, tetraedru..) se apeleaza la recalcularea componentilor alesi pentru a fi reprezentati, tot in % fata de 100%

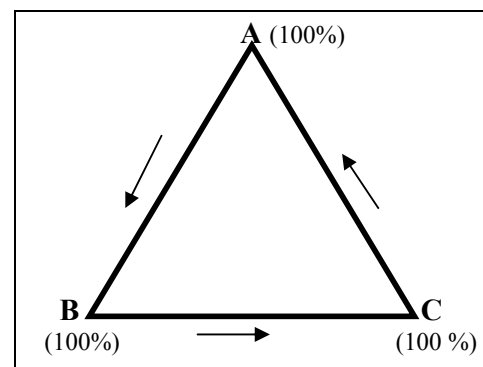
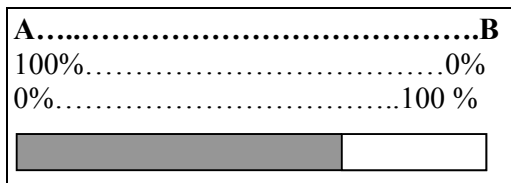
Exemplu :

Particule = 70 %	Liant = 30 %
------------------	--------------



- Evaluarea procentelor de participare se face cu masa de integrare , la microscop , sau cu ajutorul comparatoarelor vizuale (vezi plansa) (depinde de scara la care se lucreaza si de informatiile care se cer.).

Rezultatele integrarii se proiecteaza, pentru fiecare situatie in parte, in diagrame binare sau diagrame ternare, de tipul:



Aplicatie

Examen microscopic

1. Integrati trei sectiuni efectuate in roci eterogene (1,2,3) ,formate din liant si particule si notati procentele de participare in tabel. Proiectati datele in diagrame binare sau ternare – dupa caz – si incercati sa dati un diagnostic. Consultati Modulul 16.

Relatia Particule : Liant	%			Criteriul genetic	%			Criteriul mineralogic	%		
	1	2	3		1	2	3		1	2	3
Particule				Tipuri de particule				Siliciclaste			
				Claste (grano+litocla ste)				Cuart – Q			
				Bioclaste				Feldspati – F			
				Alocheme				Fragmente litice - L			
				Total:	100 %			Total:	100%		
Liant				Matrice:							
				Ciment:							
Total :	100 %			Total:	100 %						

Table 4 - West Wildflysch Nappe

	Section/ Sample		Section/ Sample		Section/ Sample		Section/ Sample		Section/ Sample		Section/ Sample		Section/ Sample		Section/ Sample	
	10/80		10/77		10/69		10/152		10/160		10/32		10/29		10/25	
	Formation		Formation		Formation		Formation		Formation		Formation		Formation		Formation	
	Magura PP Sst.		Magura PP Sst.		Roaia Fm.		Roaia Fm.		Roaia Fm.		Roaia Fm.		Roaia Fm.		Roaia Fm.	
	N°grains	%	N°grains	%	N°grains	%	N°grains	%	N°grains	%	N°grains	%	N°grains	%	N°grains	%
Qm	52	26.0	69	34.5	63	31.5	60	30.0	86	43.0	62	31.0	80	40.0	68	34.0
F	73	36.5	21	10.5	23	11.5	21	10.5	40	20.0	39	19.5	62	31.0	67	33.5
Lt	75	37.5	110	55.0	114	57.0	119	59.5	74	37.0	99	49.5	58	29.0	65	32.5
Tot	200	100.0	200	100.0	200	100.0	200	100.0	200	100.0	200	100.0	200	100.0	200	100.0
Lm	122	61.0	118	59.0	157	78.5	145	72.5	116	58.0	148	74.0	126	63.0	126	63.0
Lv	38	19.0	25	12.5	8	4.0	23	11.5	41	20.5	7	3.5	17	8.5	15	7.5
Ls	40	20.0	57	28.5	35	17.5	32	16.0	43	21.5	45	22.5	57	28.5	59	29.5
Tot	200	100.0	200	100.0	200	100.0	200	100.0	200	100.0	200	100.0	200	100.0	200	100.0

	Section/ Sample		Section/ Sample		Section/ Sample		Section/ Sample	
	12/10a		12/5		13/13		13/15b	
	Formation		Formation		Formation		Formation	
	Magura PP Sst.		Magura PP Sst.		Roaia Fm.		Roaia Fm.	
	N°grains	%	N°grains	%	N°grains	%	N°grains	%
Qm	85	42.5	78	39.0	66	33.0	96	48.0
F	60	30.0	66	33.0	30	15.0	34	17.0
Lt	55	27.5	56	28.0	104	52.0	70	35.0
Tot	200	100.0	200	100.0	200	100.0	200	100.0
Lm	137	68.5	122	61.0	123	61.5	105	52.5
Lv	10	5.0	11	5.5	14	7.0	29	14.5
Ls	53	26.5	67	33.5	63	31.5	66	33.0
Tot	200	100.0	200	100.0	200	100.0	200	100.0