



Manuales operativos de la 24 Flotilla
Tablas de cálculo de velocidades



Ángulo inicial	Proa		Popa	
	340	20	200	160

Distancia (m)

Diferencia ángulo

		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
T=30 s	500	1	2	3	4	6	7	8	9	10	11	12	13	14	15	16	17	18	18	19	20	20	21
	600	1	3	4	5	7	8	9	11	12	13	15	16	17	18	19	20	21	22	23	24	24	25
	700	2	3	5	6	8	9	11	13	14	16	17	18	20	21	22	24	25	26	27	27	28	29
	800	2	4	5	7	9	11	13	14	16	18	19	21	23	24	26	27	28	29	30	31	32	33
	900	2	4	6	8	10	12	14	16	18	20	22	24	25	27	29	30	32	33	34	35	36	37
	1000	2	4	7	9	11	13	16	18	20	22	24	26	28	30	32	34	35	37	38	---	---	---
	1100	2	5	7	10	12	15	17	20	22	24	27	29	31	33	35	37	---	---	---	---	---	---
	1200	3	5	8	11	13	16	19	21	24	27	29	32	34	36	---	---	---	---	---	---	---	---
	1300	3	6	9	12	14	17	20	23	26	29	32	34	37	---	---	---	---	---	---	---	---	---
	1500	3	7	10	13	17	20	23	27	30	33	36	---	---	---	---	---	---	---	---	---	---	---
	1700	4	7	11	15	19	23	27	30	34	38	---	---	---	---	---	---	---	---	---	---	---	---
2000	4	9	13	18	22	27	31	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
T=60 s	2500	3	5	8	11	14	17	20	22	25	28	30	33	35	38	---	---	---	---	---	---	---	
	3000	3	7	10	13	17	20	23	27	30	33	36	---	---	---	---	---	---	---	---	---	---	
	3500	4	8	12	15	19	23	27	31	35	---	---	---	---	---	---	---	---	---	---	---	---	
	4000	4	9	13	18	22	27	31	36	---	---	---	---	---	---	---	---	---	---	---	---	---	
	4500	5	10	15	20	25	30	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	5000	5	11	16	22	28	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	5500	6	12	18	24	31	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	6000	7	13	20	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
T=90s	7000	5	10	15	21	26	31	36	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8000	6	12	18	24	30	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	9000	7	13	20	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
T=120s	10000	5	11	16	22	28	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	11000	6	12	18	24	31	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	12000	7	13	20	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
T=150s	13000	6	11	17	23	29	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	14000	6	12	18	25	31	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	15000	7	13	20	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		

Tablas realizadas por el Comandante Efímero





Manuales operativos de la 24 Flotilla
Tablas de cálculo de velocidades



Ángulo inicial	Proa		Popa	
	320	40	220	140

Distancia (m)

Diferencia ángulo

		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
T=30 s	500	1	2	3	4	5	6	7	8	9	10	12	13	14	15	16	17	18	19	20	21	22	23
	600	1	2	3	5	6	7	9	10	11	13	14	15	17	18	19	20	22	23	24	25	26	27
	700	1	3	4	5	7	8	10	11	13	15	16	18	19	21	22	24	25	27	28	29	30	32
	800	1	3	5	6	8	10	11	13	15	17	19	20	22	24	26	27	29	30	32	33	35	36
	900	2	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	34	36	---	---	---
	1000	2	4	6	8	10	12	14	16	19	21	23	25	28	30	32	34	---	---	---	---	---	---
	1100	2	4	6	8	11	13	16	18	20	23	25	28	30	33	35	---	---	---	---	---	---	---
	1200	2	4	7	9	12	14	17	20	22	25	28	30	33	36	---	---	---	---	---	---	---	---
	1300	2	5	7	10	13	16	18	21	24	27	30	33	36	---	---	---	---	---	---	---	---	---
	1500	3	6	8	12	15	18	21	25	28	31	35	---	---	---	---	---	---	---	---	---	---	---
	1700	3	6	10	13	17	20	24	28	32	35	---	---	---	---	---	---	---	---	---	---	---	---
2000	4	7	11	15	20	24	28	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
T=60 s	2500	2	5	7	10	12	15	18	20	23	26	29	32	35	---	---	---	---	---	---	---	---	
	3000	3	6	8	12	15	18	21	25	28	31	35	---	---	---	---	---	---	---	---	---	---	
	3500	3	6	10	13	17	21	25	29	33	---	---	---	---	---	---	---	---	---	---	---	---	
	4000	4	7	11	15	20	24	28	33	---	---	---	---	---	---	---	---	---	---	---	---	---	
	4500	4	8	13	17	22	27	32	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	5000	5	9	14	19	24	30	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	5500	5	10	16	21	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	6000	5	11	17	23	29	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
T=90s	7000	4	9	13	18	23	28	33	---	---	---	---	---	---	---	---	---	---	---	---	---		
	8000	5	10	15	20	26	32	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	9000	5	11	17	23	29	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
T=120s	10000	5	9	14	19	24	30	35	---	---	---	---	---	---	---	---	---	---	---	---	---		
	11000	5	10	16	21	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	12000	5	11	17	23	29	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
T=150s	13000	5	10	15	20	25	31	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	14000	5	10	16	21	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
	15000	5	11	17	23	29	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---		

Tablas realizadas por el Comandante Efímero





Manuales operativos de la 24 Flotilla
Tablas de cálculo de velocidades



Ángulo inicial	Proa		Popa	
	300	60	240	120

Distancia (m)

Diferencia ángulo

		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
T=30 s	500	1	1	2	3	4	5	5	6	7	9	10	11	12	13	14	15	16	17	19	20	21	22
	600	1	2	2	3	4	5	7	8	9	10	12	13	14	16	17	18	20	21	22	24	25	26
	700	1	2	3	4	5	6	8	9	10	12	13	15	17	18	20	21	23	24	26	27	29	30
	800	1	2	3	4	6	7	9	10	12	14	15	17	19	21	23	24	26	28	30	31	33	35
	900	1	2	4	5	7	8	10	12	13	15	17	19	21	23	25	27	29	31	33	35	---	---
	1000	1	3	4	6	7	9	11	13	15	17	19	21	24	26	28	30	33	35	---	---	---	---
	1100	1	3	4	6	8	10	12	14	16	19	21	24	26	28	31	33	36	---	---	---	---	---
	1200	1	3	5	7	9	11	13	15	18	20	23	26	28	31	34	---	---	---	---	---	---	---
	1300	2	3	5	7	9	12	14	17	19	22	25	28	31	34	---	---	---	---	---	---	---	---
	1500	2	4	6	8	11	14	16	19	22	26	29	32	35	---	---	---	---	---	---	---	---	---
	1700	2	4	7	9	12	15	19	22	25	29	33	---	---	---	---	---	---	---	---	---	---	---
2000	2	5	8	11	15	18	22	26	30	34	---	---	---	---	---	---	---	---	---	---	---	---	
T=60 s	2500	2	3	5	7	9	11	14	16	19	21	24	27	30	32	35	---	---	---	---	---	---	---
	3000	2	4	6	8	11	14	16	19	22	26	29	32	35	---	---	---	---	---	---	---	---	---
	3500	2	4	7	10	13	16	19	23	26	30	34	---	---	---	---	---	---	---	---	---	---	---
	4000	2	5	8	11	15	18	22	26	30	34	---	---	---	---	---	---	---	---	---	---	---	---
	4500	3	6	9	13	16	20	25	29	34	---	---	---	---	---	---	---	---	---	---	---	---	---
	5000	3	6	10	14	18	23	27	32	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	5500	3	7	11	15	20	25	30	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	6000	4	8	12	17	22	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
T=90s	7000	3	6	9	13	17	21	25	30	35	---	---	---	---	---	---	---	---	---	---	---	---	
	8000	3	7	11	15	19	24	29	34	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	9000	4	8	12	17	22	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
T=120s	10000	3	6	10	14	18	23	27	32	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	11000	3	7	11	15	20	25	30	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	12000	4	8	12	17	22	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
T=150s	13000	3	7	10	14	19	24	28	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	14000	3	7	11	16	20	25	31	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	15000	4	8	12	17	22	27	33	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Tablas realizadas por el Comandante Efímero





Manuales operativos de la 24 Flotilla
Tablas de cálculo de velocidades



Ángulo inicial	Proa		Popa	
	280	80	260	100

		Diferencia ángulo																						
		Distancia (m)																						
		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	
T=30 s	500	1	1	1	1	2	3	3	4	5	6	6	7	8	9	10	12	13	14	15	16	17	18	
	600	1	1	1	2	2	3	4	5	6	7	8	9	10	11	13	14	15	17	18	19	21	22	
	700	1	1	1	2	3	4	5	6	7	8	9	10	12	13	15	16	18	19	21	22	24	26	
	800	1	1	2	2	3	4	5	6	8	9	10	12	13	15	17	18	20	22	24	26	27	29	
	900	1	1	2	3	4	5	6	7	9	10	12	13	15	17	19	21	23	25	27	29	31	33	
	1000	1	1	2	3	4	5	6	8	9	11	13	15	17	19	21	23	25	27	30	32	34	---	
	1100	1	1	2	3	4	6	7	9	10	12	14	16	18	21	23	25	28	30	33	35	---	---	
	1200	1	1	2	3	5	6	8	9	11	13	15	18	20	23	25	28	30	33	36	---	---	---	
	1300	1	1	2	4	5	7	8	10	12	14	17	19	22	24	27	30	33	36	---	---	---	---	
	1500	1	2	3	4	6	8	10	12	14	17	19	22	25	28	31	35	---	---	---	---	---	---	
1700	1	2	3	5	7	9	11	13	16	19	22	25	28	32	35	---	---	---	---	---	---	---		
2000	1	2	4	6	8	10	13	16	19	22	26	30	33	---	---	---	---	---	---	---	---	---		
T=60 s	2500	1	1	2	4	5	6	8	10	12	14	16	18	21	23	26	29	32	34	---	---	---	---	
	3000	1	2	3	4	6	8	10	12	14	17	19	22	25	28	31	35	---	---	---	---	---	---	
	3500	1	2	3	5	7	9	11	14	17	19	23	26	29	33	---	---	---	---	---	---	---	---	
	4000	1	2	4	6	8	10	13	16	19	22	26	30	33	---	---	---	---	---	---	---	---	---	
	4500	1	3	4	6	9	11	14	18	21	25	29	33	---	---	---	---	---	---	---	---	---	---	
	5000	1	3	5	7	10	13	16	20	24	28	32	---	---	---	---	---	---	---	---	---	---	---	
	5500	1	3	5	8	11	14	18	22	26	31	35	---	---	---	---	---	---	---	---	---	---	---	
6000	1	3	6	8	12	15	19	24	28	33	---	---	---	---	---	---	---	---	---	---	---	---		
T=90s	7000	1	3	4	7	9	12	15	18	22	26	30	34	---	---	---	---	---	---	---	---	---		
	8000	1	3	5	7	10	14	17	21	25	30	34	---	---	---	---	---	---	---	---	---	---		
	9000	1	3	6	8	12	15	19	24	28	33	---	---	---	---	---	---	---	---	---	---	---		
T=120s	10000	1	3	5	7	10	13	16	20	24	28	32	---	---	---	---	---	---	---	---	---	---		
	11000	1	3	5	8	11	14	18	22	26	31	35	---	---	---	---	---	---	---	---	---	---		
	12000	1	3	6	8	12	15	19	24	28	33	---	---	---	---	---	---	---	---	---	---	---		
T=150s	13000	1	3	5	7	10	13	17	20	25	29	34	---	---	---	---	---	---	---	---	---	---		
	14000	1	3	5	8	11	14	18	22	26	31	---	---	---	---	---	---	---	---	---	---	---		
	15000	1	3	6	8	12	15	19	24	28	33	---	---	---	---	---	---	---	---	---	---	---		

Tablas realizadas por el Comandante Efímero

