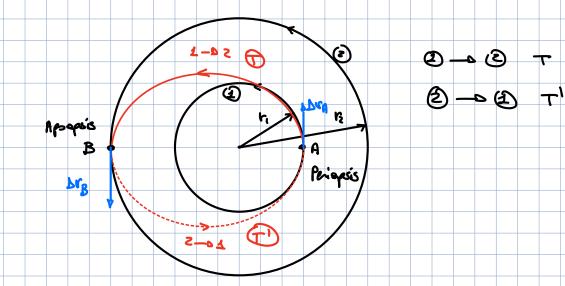
## OFBITAL HECHANICS IMPULSIVE HANDEUVRES - trousfer fram orbit to arbit - orbit mointenauce - close proximity spendious - Trembet-vous (3) t LSTAKTAMEOUS MANOGOYRE <u>κ</u> ' <u>ε</u> + <u>γ</u>ε $\nabla \overline{\alpha}$ T 'T Kep Kep + Lkep no need to save the egestive of motion (1.6) because for istantances manyone the time in with the engine in on is much subler that the bosting time (time where the engine is off and the space craft went to redu a certain position) Dr - Isp g. lu mo (3.1) mo = juited mon = mon @ tmf = find mon = mon a tt mp = Dm = mo -me uon of proper out en me \_ Isp go Isp [s] = specific impulse jo = gracitational occ. It section mo = exp (Dr ) mf exp ( spgs)

m	- V	n p	_	5		e	رمح	) []	Δr	: g.						_	n	p ns			e	<b>~</b> e	(	<u>\</u>	Ξεt Č	) }o			
	mp ma		-	1	_	e	,× <sub>(</sub>	. (		上が	y go					(	3. 7	: )											
	Ιs	φ	=	7		se.	<i>م</i>	ust Cer	æl	M	eiz	ul	л ·	الم	ૡ	of	<del>-</del>	Le	l c	oi.	iv.	wf	ri	ρU		<u>[</u> s	7		
(	j.	= 8	نحد	2	•	کو	ve	(	st	w	مه	رح.		<b>صرر</b>	<u>.</u> و(	<b>e</b> )	لم	Ή	×ų		- <u>v</u> 	u S <sup>Z</sup>	3						
<u>dn</u>	_		T Eq		<b>~</b> 0				-	1	ēρ	_	<u>d</u>	1 m	े	_													
														-	ر ال		•	D.	8e.8	<b>L</b>	لعا	Je(	•						
PI	حمور	٤Ш	ፁሥር								Ts	P	[s	3															
(	مام	ه د	} 0	9								50	>				)												
	Hye	m	Liv	ıe								. S.					{		โ	uy Bi	سار م لا	ive t	k L	u st	su Su	هو.	9 V	و ماد	أملا
	ناحك		•	spe	g Jlk	<b>M</b>	•					23 4 <u>5</u>									` (	) DU	U	ב	: Y				
	Σου	L		sρl	lsi e	U					>		,0c					_		-0	m	0 V	1 0	eri	٧٢	7U2		nd	
Sw m		2 إ	5/													I	sρ \	\		ì.	sto <u>r</u>	·	ts. Ch	-h	eo O	S			
0																		Ţ											
10.0	1						_																						
1 <b>60</b> . G	+																												
	<b>1</b>																		14	200	2		D Da	τ	w/:	5]			

## HOHMANN TRANSFER

most efficient transfor between 2 appearant contract orbit.



tholicean transfe eleiptical arbit that is farger to the

$$\mathcal{E} = -\frac{\mu}{z_0} \qquad \epsilon_{\eta} (1.55)$$

E, IET

AD CRASTING TIME/ ORBIT

