Wednesday, March 13, 20	019 6:45 PM						
C	Al(. MOLAR M	ASS OF MA	ITERIA L				
(1)	AL(. MOLAR M MATERIAL	> a.	η.				
,	1 MIERIA C		^				
FIHD	DECREMENT ( REFRACTIVE	S) IN MATER	IAL'S REA	L			
(-)	o re	2 (2.))					
GOAL:	REFRACTIVE  S= \frac{\range e}{2\pi}	' Z N: J:					
		# DENSITY					
		OF ATOMIC SPECIES :	Cm3				
(2.1)	N -Nn Pr	MA TERIA L	N_: :	# i/# m	7ERIAL	(ie, CsPb1	30
	^ -141'	MATERIAL	SMAT =	MATEMAN D	ENSM4	M, = 1	-
AT	N: =NN: Pr	2 mol	amai =	From (1)		$ \begin{array}{c} n_1 = 1 \\ n_2 = 1 \\ n_3 = 3 \end{array} $	
	J; = 7	AKEN FRIM T	TABLES				
	$\Rightarrow \sum_{i} N_{i} \cdot f_{i}$	= Na Prateria	5 N.	Ç	V		
		O MATERIAL	ر ا ا	)			
		$\lambda^{7}$					
(2.2)	$S = \frac{r_e}{7}$	71 ×	C				
	CALUNLATE E	XTIN(TID) COEF	F. FOR				
(3)	CALLINLATE E	ERIAL				~	
	M - Nmrs	Materia.			N <sub>Mart</sub> =	- Na Pma-	7
	M = Nmm	- INITE (	<b>4</b> 1	)	1"'A /.	9 MA	7
	LI	1	14	C			

		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. = MATE			. <b>.</b> . ,		
		= 1. MA7ER			)	A7.	9 maj	
			7(	ATTEN·X-SEC				
		# DEWS17	1 70jAL,	ATTEN X-SEC				
		# Alons	~ C	ATOM				
	(21)	_ =	- In A					
	(2.1)	) mat = (		- TAKEN F	From Mucai	_ ,		
					: 64TP47 1			
				_			2001 12	8 01
							3ARN = 10 <sup>-2</sup>	my
	32) => /	M = NAPH	~A T	10-24				
	- /	9 m	0 MAT	. ( 10 - 29	$\frac{cm^2}{2aanl}$			
		ľ	71 1	\	SARN/			
		T 70		1				
(	\	101/46 P	1ASE SMIFT L	THEN COINCTH MATERIA	RIMAN AL STACK			
	4) 0	$\langle \lambda \rangle =$	27 (	<del>2</del>	,			
	/ /		$\lambda$	S'(7) 17				
	i							
		Ø(n) =	$\frac{2}{\lambda}$ $\geq$	8; t;				
			// /					
				1				