

Table III. dn/dT of Ionic Crystals in the Infrared

CRYSTAL	$- dn/dT (10^{-5}/^{\circ}K)$					
	$\lambda = 3.9\mu m$		$\lambda = 5.3\mu m$		$\lambda = 10.6\mu m$	
	Calc.	Exp.	Calc.	Exp.	Calc.	Exp.
NaF	1.5	1.6	1.3	-	0.2	-
NaCl	3.5	3.3	3.3	3.2	2.0	2.0
NaBr	4.7	-	4.5	-	3.8	-
NaI	5.8	-	5.7	-	5.2	-
KF	0.9	-	0.6	-	-1.4	-
KCl	3.5	3.6	3.3	3.6	2.8	2.8
KI	5.0	-	4.9	-	4.6	-
KBr	3.9	-	3.8	-	3.4	-
CsCl	6.0	-	5.9	-	5.4	-
CsI	10.0	9.9	10.0	9.9	9.8	9.5
CsBr	6.3	-	6.2	-	6.0	-
AgCl	5.8	-	5.5	-	3.5	-
AgBr	6.1	-	6.0	-	5.0	-
MgO	-2.0	-	-2.5	-	-8.7	-

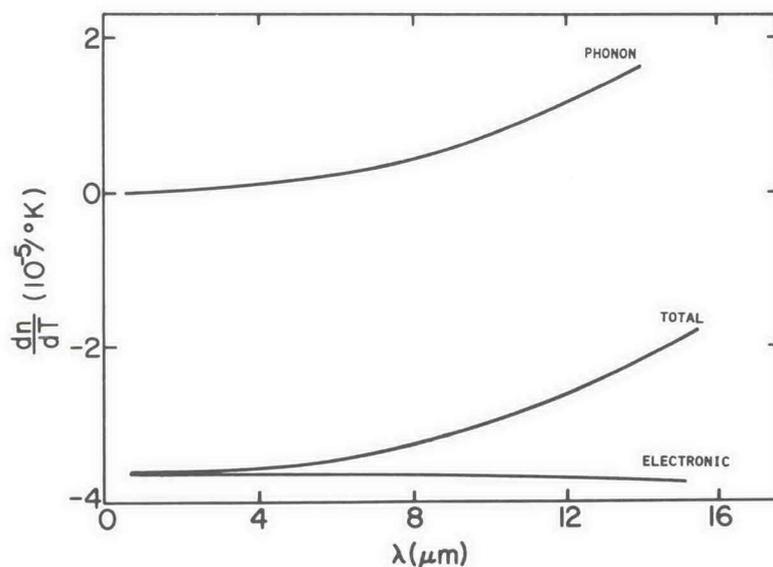


Fig. 2

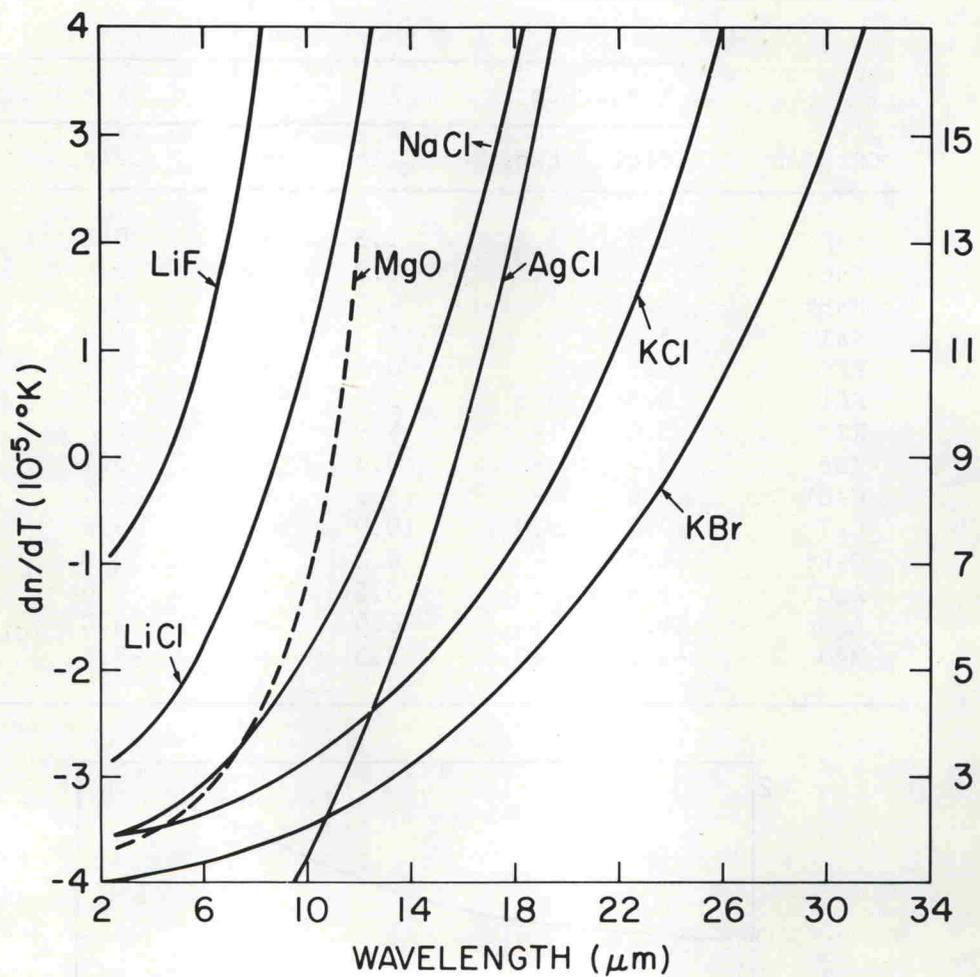


Fig. 2. Calculated curves of dn/dT vs. wavelength for a variety of ionic crystals. All curves are referred to the left hand scale except for MgO , which is referred to that on the right.