







	• Reaction $k_2$ contains a temperature dependence $K(T)$ that was experimentally found:				
	Abs. Temperature T [K]	Equilibrium Const. $K$ [mole m <sup>-3</sup> ]			
	300.0	$7.7446 \times 10^{-29}$			
	400.0	$1.9543 \times 10^{-20}$			
	500.0	$2.2182 \times 10^{-18}$			
	600.0 700.0	$5.2844 \times 10^{-12}$ 1.3867 × 10 <sup>-9</sup>			
	800.0	$1.3867 \times 10^{-8}$ 9.0782 × 10 <sup>-8</sup>			
	900.0	$9.0782 \times 10^{-6}$ 2.3768 × 10 <sup>-6</sup>			
	1000.0	$3.2509 \times 10^{-5}$			
	1100.0	$2.7861 \times 10^{-4}$			
	1200.0	$1.6788 \times 10^{-3}$			
	1300.0	$7.6913 \times 10^{-3}$			
	1400.0	$2.8510 \times 10^{-2}$			
	1500.0	$8.8716 \times 10^{-2}$			
	1600.0	$2.4044 \times 10^{-1}$			
	1700.0	$5.8344 \times 10^{-1}$			
	1800.0	1.7947			
	1900.0	2.6061			
	2000.0	4.9431			
• Pro	• Program <i>K</i> ( <i>T</i> ) using a table-lookup function.				



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• We shall need it manually.	a <i>table look-up function</i> . We can program
Linear interpolation	<pre> Processe manys int2/morenics (Models Ins) If the structure manys int2/morenics Models Inst function Processe If the structure manys int2/morenics If the structure manys int2/morenics If the structure manys int2/morenics If the structure many int2/moren</pre>
December 13, 2012	Prof. Dr. François E. Cellier Start Presentation



























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