

# CRUSH

A girl's guide to being crazy in love



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# Crush A Girls Guide To Being Crazy In Love

**Jessica Hopper**



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web coordinates of  $\mathbf{v}$  the standard coordinates are  $v_i$  the  $b_i$  are assumed if no other basis is specified this means  $\mathbf{v} = \sum_i v_i \mathbf{e}_i$  if  $\mathbf{b}_i = \sum_j s_{ji} \mathbf{e}_j$  is a basis of  $\mathbb{R}^n$  then the matrix  $s$  which contains the vectors  $\mathbf{b}_k$  as column vectors is called the coordinate change matrix

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notice that the superscript on the transformation matrix  $m$  and the subscript on the coordinate vector  $v$  are the same and  
seemingly cancel leaving the remaining subscript

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