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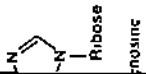
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(8-43)

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resc. This process, from  
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Energy transfer will take  
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and acceptor excitation  
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protonal relaxation (vary-  
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action that would relax the  
ate the donor.

Microscopy

(8-53)

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(8-54)

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lum yield of the donor.

occurs over a band of the donor occurs over a frequency  $\nu$ . The total yield at each frequency:

$\eta^2$

or numerical constants from the fact that  $\bar{\nu}$  as interaction potential at quantity  $\kappa^2$ . Removing we did above implies  $\eta^2$ . This may not always be true. We know that polarization can be a  $\kappa^2$  value still are a factor. Fortunately, the equation 8-57 in this form:

to use spectra measured equations 8-55 and 8-56

a function of  
-naphthyl  
 $n = 1$  to  $12$ . The  
Equation 8-57.  
England, *Proc.*  
[1967].]

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is  $\sin \theta \, d\theta \, d\phi$ .  
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Therefore, the

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$\psi(\theta, \phi)$ , and

3,5 (8-61)

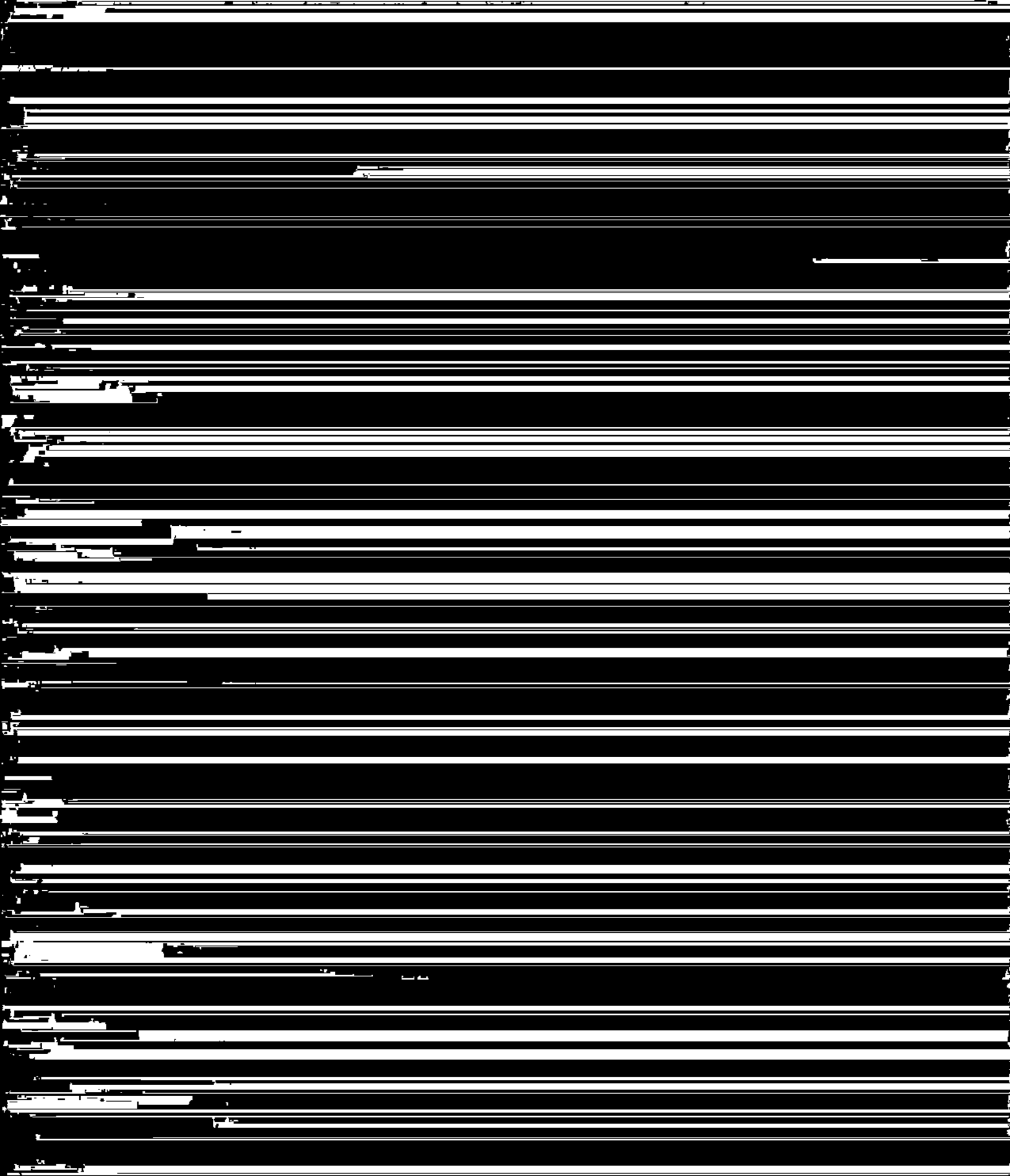
1 to  $|\mu \cdot \hat{r}|^2$ ,  
 $\sin^2 \theta \cos^2 \phi$ ;  
probabilities

$\sin^2 \theta = 1, 5$   
(8-62)

convenient  
are defined



(8-63)  
as you can  
8-63. These  
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The results for

(8-70)

(8-71)

ential, each of  
equations 8-70  
copy. At the

$1/2$ ] (8-72)

(8-73)

4-64,  
molecule is a  
the-hydrated  
Equation 8-73  
fluorescence aniso-  
more slowly.  
pilotyl chymo-  
typical value

Equation 10-10  
protein is about  
be  $M/N_0 =$   
centipoise:  $T$   
Equation 8-73 as

12 sec (8-74)

if the protein  
for globular  
weight is 25,000  
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(8-77)

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(8-79)

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(8-81)

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