



(C. 1727)

$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ 0 & 1 \end{pmatrix}$

$A_1 c_1 \vdash 1$ I d , ab₁ a d , a d , a d , c d , H b₁ C₁ c₁
 G₁ , C₁ , a₁ L₁ a d (, -) , a c , d c₁ , a₁ , c₁
 b a d d₁ c₁ , c₁ , a a , a d , c , a
 r a c c₁ , A d₁ C₁ a d , b a d d₁ c₁ H b₁ C₁ c₁
 G₁ , C₁ , a₁ L₁ a d (, -) , ab₁ d₁ , c
 (, -) , acc da c₁ , C₁ , a La₁ P₁ , R₁ , b₁ c₁ C₁ a ,
 S a da d₁ C₁ , a G₁ a c L₁ d C₁ , a , R₁ G₁ , L₁
 S α₁ , T S c E c a , H K , L₁ a d (, -) ,
 , A₁ c₁ A₁ c₁ a₁ H b₁ C₁ c₁ G₁ , C₁ , a₁ L₁ a d (, -) ,
 , R₁ P c d , M₁ , B a d D₁ c₁ H b₁ C₁ c₁ G₁ ,
 C₁ , a₁ L₁ a d a d , a a , a₁ a d , a d α₁

A₁c₁ 2 T C a₁ c₁ a₁ c₁ d₁ b a d₁ c₁ a d₁ a₁ b₁
 c₁ a₁ b₁ a₁ a d₁ a₁ a d₁ a d₁ c₁
 a₁ a₁ a₁ a₁ a d₁ a₁ c₁ C₁ a₁ T C₁
 a₁ b₁ a c c₁ a b₁ a d₁ b a d₁ d₁ c₁

$$A_{\alpha}c_{\beta} = 3 \frac{T_{\alpha} - T_{\beta}}{T_{\alpha} + T_{\beta}} \approx a_{||} a_{\beta||} \approx C_{\alpha\beta} = a_{\alpha} d_{\beta} + a_{\beta} d_{\alpha} + a_{\alpha} d_{\beta} + a_{\beta} d_{\alpha} = d b_{\alpha\beta}$$

2. $\Delta \rho = \rho_1 - \rho_2$ is the difference in the densities of the two media.

A₁c₁ 4 T C a c a d c A C b a b
- a d c a a b d d a d c
A b a a a c a a d a d c c a c
c a a c d A a b a a
a a acc a ca a a c a d b
H K L R c a ca b a d c
Pa a a d a d b C a a b b d ac
a a b C a d a da / a
c a a a c a c a

A₁c₁ 5 M b , C , a₁₁ b , a d b , c a₁ a , b a d d₁ c , a d
a₁₁ , d b , b a d d₁ c , , a₁₁ a₁ b , a a₁ , d₁ c , .

A₁c₁ 6 T C , a₁₁ a a c a₁ a , a₁₁ b a , d , d , - a₁₁ d₁ c , T
c a₁ a , b , a₁₁ a a , a₁₁ a a , C , T c a₁ a , a₁₁ b
a d b , c a₁ a , b a d d₁ c , a d a₁₁ , d₁ , a₁₁ a₁ , b a d
d₁ c , . T c a₁ a , C , a₁₁ a a₁₁ , a acc , a₁₁ a₁ c a₁
a a , a c a₁ a d acc , , .

A₁c₁ 7 T , c , C , a₁₁ b , a a , a , b a d d₁ c , , a d ,
c a C , b a₁₁ b , a a , / , c a a d₁ c , .
C , b a b , c d₁ , , c . A b
C , a₁₁ , ac , c a , b a b / , a d₁ c , .
C , a .

A₁c₁ 8 A C , b a , d , / , a₁₁ , b a d d₁ c , d , /
c b , a , a₁₁ a₁ , a a , a₁₁ a d a ,
c d , b b , a , b a d d₁ c , . I , b
a₁₁ b , b a , d d , b a₁₁ c ,
/ d , a₁₁ a , b b a d d₁ c , a a , c .

A₁c₁ 9 T C , b a , b c , c a , d , , c , , d b ,
c a₁ a , b a d d₁ c , a d a₁₁ , d b , b a d d₁ c , .

A₁c₁ 10 I , b , C , b a₁₁ b , b a , d d ,
b a d d₁ c , a₁₁ a , a₁₁ acc d a c , T .

A₁c₁ 11 W₁ , c d₁ a₁ , c , b a d d₁ c , , a d₁ d , a , C , a
a₁₁ ac a , a₁₁ b d , C , d , a d , a d ,
d₁ a₁₁ d b , C .

3

A₁c₁ 12 T C , b a₁ , b a d d₁ c , , a₁₁ c d c₁ d , d , a , a d
c , a c , a₁₁ a d c₁ c , a₁ , C , a . T
a , b , C , c₁ d :

- (1) a , a₁₁ , b a d d₁ c , a d₁ , a₁₁ , a₁₁ , a d
d₁ , a₁₁ , a a d₁ , a₁₁ , a₁₁ a d , a
a a d₁ , a d d a₁₁ , a₁₁ a₁₁ , a₁₁ a₁₁ d₁ , a₁₁
a a d₁ ;

(2) $a_1 a d_1, a_1 d_1 d, d c a d b c, a_1 a d_1, a d_1$
 $c_1 a d_1, a d_1, c_1 a c c d a c, a_1 a b_1 a d a d, T C$
 $a_1 d_1 a d_1, a_1 a d_1, a_1 c_1 a d_1 d, a d_1 a d$
 $a_1 b_1 a d_1 c_1 c$;

$F a_1 d_1 d, d c_1 a_1 a d_1, C a_1 a d_1$
 $a_1 a d_1 a_1 b_1 C a_1 a d_1 a d_1$
 $(c_1 d_1 a d_1 c_1)$; $a_1 a_1 a_1 a_1 d d b_1 a d_1 a_1 a_1$
 $a_1 d_1 a d_1 c_1 a d_1 c d_1 a d_1 d b_1 a d_1 a_1 a_1$
 $a_1 d_1 d c a d_1 a_1 c_1 c_1 a d_1 c d_1 c_1 d_1$
 $c a_1 a_1 a d_1 a_1 a d_1$; $a_1 a d_1$
 $a_1 a_1 c a_1 a_1 c_1 a_1 a_1 C a_1$
 $d_1 a_1 a d_1 a d_1 a d_1 a_1 a_1 c_1 c_1 a d_1$
 $a d_1 a_1 a_1 d b_1 a d_1$;

(3) $a_1 a d_1, c_1 a_1 a_1 a_1 a_1 a d_1$
 $a d_1 c_1 F a_1 a_1 c_1 a_1 a d_1 c_1 d a_1$
 $d c c_1 a_1 a_1 a_1 a d_1 a d a_1 a_1$
 $a a_1 a b_1 a d_1 d_1 d, a_1 d a_1 a b_1 c c_1 d b_1 a_1 c a_1$
 $a_1 a_1 a_1 a d_1 T C a_1 d a d_1 b a d$
 $d_1 c_1 c a_1 a c_1 a d a_1 b a_1$;

(4) $a_1 a d a c a c a_1 a c a_1 a_1 a_1 a_1$
 $a d a c c_1 a_1 a a d_1 a_1 (a_1) C a_1 a d$
 $a_1 a_1 a d_1 a c a_1 c a_1 a d_1$
 $S_1 c a_1 a_1 d b_1 a d_1 b_1 a_1 a d_1 a_1 a c_1 c a d a$
 $a_1 a_1 a c a_1 a_1 a d_1 W a_1 a_1 a_1$
 $a d a c c_1 a_1 a a d_1 a_1 C a_1 a b_1 b_1$
 $b a d d_1 c_1 C a_1 d a_1 a_1$;

1. $a_1 c a_1 a c c_1 c_1 a d_1 a c_1 c_1$;

2. $a_1 d_1$;

3. $a_1 c a_1 a d_1 a d_1 a d_1$;

4. $a_1 c c_1 a_1 a d_1 a_1 d_1$;

5. $c_1 a c_1 a c c_1 a d a d$;

6. $c_1 a c_1 H K L R a d_1 a_1$
 $a_1 a c a_1$

(5) $\dots c_1 a_1 \dots (4) ab \dots$,

1. $\dots C \dots b \dots a_1 d_1 \alpha \dots b a d \dots d_1 c_1 \dots a d_1 \dots$
 $a a \dots T C \dots a_1 \dots a_1 a d_1 \dots a_1 a \dots c_1 a$
 $\dots a$;

2. $\dots C \dots a_1 c_1 d_1 a \dots c a_1 a d_1 \dots a a \dots a$
 $d_1 b \dots c_1 d_1 c_1 \dots a d a c c_1 \dots a d_1 a_1 \dots d_1 c_1 d_1 a_1$
 $\dots a_1 \dots a_1 d b \dots a \dots b_1 \dots a c c_1 \dots a d_1 a c_1 a_1 \dots$
 $\dots c_1 \dots c_1 a c_1 \dots a_1 a d_1 \dots$;

(6) $\dots a_1 \dots a c_1 a_1 c_1 \dots a_1 c_1 \dots a d_1 \dots a a \dots$
 $C \dots a$;

(7) $\dots d_1 \alpha \dots a a \dots a a \dots a d_1 \dots a_1 c_1 \dots$
 $\dots a_1 \dots a a \dots a_1 \dots d_1 d_1 \dots a_1 a_1 a \dots c_1 \dots a a \dots a d$
 $\dots a_1 c_1 \dots C \dots d a_1 \dots d b_1 \dots a \dots a d_1 a c$
 $\dots c_1 \dots a_1 c a_1 \dots c a d_1 a_1 \dots a a d b d_1 \dots a_1 \dots$
 $\dots a c c_1 \dots a d_1 a c_1 a_1 \dots c_1 \dots$; $\dots c_1 \dots a d_1$
 $a \dots a_1 c_1 \dots c_1 d_1 a_1 \dots a_1 c_1 \dots a d a d_1 a \dots a$
 $\dots a_1 c_1 \dots a d_1 \dots a d_1 a \dots$;

(8) $\dots a_1 \dots a_1 d_1 \dots a a \dots a d_1 \dots a_1 c_1 \dots a d_1$
 $a a \dots d_1 \dots a_1 a_1 \dots a d_1 a d b_1$
 $b a d \dots d_1 c_1$;

(9) $\dots a_1 \dots a_1 a d_1 d_1 a_1 \dots a d_1 \dots a_1 a d_1 \dots a_1 c_1 d_1 a_1$
 $\dots a_1 \dots a_1 a d_1 \dots c_1 \dots d d_1 \dots c_1 \dots c_1$
 $a d a a_1 \dots a_1 a d_1 \dots C \dots a_1 a d_1 \dots c_1 \dots a_1$
 $a d_1 \dots c_1$;

(10) $\dots a c_1 a_1 a d a c c_1 \dots c_1 a d_1 a c_1 c_1 \dots G \dots$;

(11) $\dots a_1 a d_1 \dots a d_1 \dots a a \dots a_1 d b$
 $\dots a_1 a d_1 \dots a b_1 a c c_1 \dots c_1 d_1 a c_1 a c c_1 \dots c_1 \dots a d$
 $\dots a a$;

(12) $\dots a_1 \dots b a d \dots d_1 c_1 \dots a_1 d_1 a_1 \dots a_1 d$
 $\dots a_1 a d_1 \dots a d_1 \dots a a$;

(13) $\dots a a \dots C \dots a \dots C \dots a$
 $c a_1 c_1 d_1 c_1 a_1 c_1 c_1 a b_1 \dots b_1 \dots a c_1 a_1 \dots$
 $a_1 c_1 \dots a \dots T C \dots a_1 \dots a a \dots$
 $a_1 a_1 a c \dots C \dots a \dots c d_1 c_1 a_1 a d_1 d_1 d_1 \dots a_1 a d_1 a$
 $c_1 a_1 a c_1 a c c_1 d_1$;

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A₁c | 16 T C a || d a | a a a , a d c a
A₁c | 16 T C a || b d a || b da | b c a

$$\begin{aligned} (1) \quad & \lambda_1 c_1 a \dots a c_1 a d \quad d c \dots a b \quad b a d \quad d_1 c_1 \dots; \\ (2) \quad & \lambda_1 c_1 a \dots a c_1 a d \quad d c \dots a b \quad c a_1 a \dots C \dots; \\ (3) \quad & \dots d b \quad b \dots C \dots \end{aligned}$$

T a d₁, a c a d₁ r a d₁ a₁ a d₁ c b a d₁ c a₁, a
a d₁ C a a a a d₁ a b d₁ a d₁
a₁ a d₁ (c₁ d₁ a₁ a₁ c₁ a₁ a d₁)
d a a c a d b C d a a).

A₁c₁ 19 U₁ c₁ a₁ c₁ a₁ C₁ b₁ a₁ d₁ c₁ a₁ a₁ d₁
 a₁ c₁ d₁ b₁ a₁ d₁ c₁ a₁ a₁ d₁ c₁ d₁ a₁ d₁
 a₁ a₁ a₁ a₁ a₁ a₁

A₁c₁ 20 A₁ b₁ C₁ a₁ a₁ d₁ a₁ a₁ I a₁ b₁ a₁ ab₁
 a₁ d₁ a₁ a₁ c₁ b₁ a₁ b₁ a₁ d₁ b₁ a₁ a₁ a₁
 a₁ a₁ a₁ b₁ C₁ a₁ d₁ a₁ d₁ a₁ a₁ a₁
 a₁ / b₁ a₁ S c₁ a₁ a₁ a₁ a₁ c₁ a₁ d₁ a₁ a₁ a₁
 Eac b₁ a₁ a₁ a₁ b₁ a₁ / a₁ c₁ a₁ a₁ a₁
 a₁ / b₁ a₁ W a₁ b₁ a₁ a₁ b₁ c₁ a₁
 a₁ / b₁ a₁ c₁ a₁ a₁ a₁ a₁ b₁ a₁ d₁ N b₁ a₁ acc a₁ c₁
 a₁ a₁ a₁ b₁ c₁ a₁

T b₁ a₁ d₁ a₁ b₁ a₁ a₁ b₁ a₁ c₁ a₁ a₁
 c₁ a₁ a₁ a₁ I a₁ b₁ d₁ a₁ d₁ a₁ a₁ a₁
 b₁ c₁ a₁ a₁ / b₁ a₁ d₁ / b₁ a₁ a₁ a₁
 a₁ a₁ / a₁ b₁ d₁ d₁ a₁ a₁ d₁ / a₁

A b₁ a₁ ab₁ a₁ d₁ a₁ a₁ a₁ c₁ a₁ / a₁ b₁
 b₁ a₁ a₁ a₁ / a₁ a₁ a₁ a₁ b₁ d₁ a₁ d₁ d₁ a₁
 a₁ c₁ a₁ a₁ a₁ b₁ b₁ d₁ a₁ d₁ d₁ a₁ b₁ a₁ a₁

A₁c₁ 21 I a₁ b₁ d₁ a₁ d₁ a₁ a₁ a₁ b₁ a₁ d₁ c₁
 a₁ / b₁ a₁ d₁ / b₁ a₁ a₁ a₁ a₁ a₁
 c₁ a₁ cca₁ a₁ c₁ b₁ a₁ a₁ d₁ a₁ a₁
 a₁ C₁ d₁ d₁ a₁ a₁ c₁ b₁ a₁ b₁ d₁ d₁ ca₁ ab₁
 d₁ C₁ a₁ d₁ b₁ a₁ d₁ c₁ a₁ ac₁ / a₁
 acc da c₁ T

A₁c₁ 22 T a C₁ a₁ b₁ c₁ d₁ C₁
 b₁ M a₁ C₁ a₁ b₁ d₁ d₁ b₁ c₁ a₁ a₁ C₁
 a₁ a₁ a₁ b₁ ac₁ / b₁ a₁ / a₁ ab₁ a₁ d₁
 a₁ I c₁ a₁ C₁ a₁ / d₁ d₁ a₁
 a₁ b₁ ac₁ / b₁ a₁ a₁ b₁ a₁ ab₁ a₁ b₁ a₁ d₁
 d₁ c₁ a₁ d₁ b₁ a₁ d₁ c₁ a₁ d₁ a₁ a₁ b₁ a₁ d₁ d₁
 a₁ d₁ c₁ d₁ c₁ a₁ a₁

5

A₁c₁ 23 Eac b₁ C₁ a₁ a₁ A₁ a₁ b₁ a₁ d₁
 b₁ a₁ a₁ a₁ a₁ b₁ I a₁ a₁ a₁ a₁ ac₁ a₁
 a₁ d₁ d₁ ab₁ a₁ b₁ a₁ a₁ a₁ a₁ b₁ c₁ d₁ d₁
 d₁ c₁ b₁ b₁ a₁ d₁ c₁

A₁c₁ 24 M₁a₁b₁c₁d₁e₁f₁g₁h₁i₁j₁k₁l₁m₁n₁o₁p₁q₁r₁s₁t₁u₁v₁w₁x₁y₁z₁
A₁c₁ 24 M₁a₁b₁c₁d₁e₁f₁g₁h₁i₁j₁k₁l₁m₁n₁o₁p₁q₁r₁s₁t₁u₁v₁w₁x₁y₁z₁
A₁c₁ 24 M₁a₁b₁c₁d₁e₁f₁g₁h₁i₁j₁k₁l₁m₁n₁o₁p₁q₁r₁s₁t₁u₁v₁w₁x₁y₁z₁

[illegible]

A₂C₁ 26 T C a a d c a a b a d a a
C a a a c a a d a a c a d a a
a a S c b a d a a a a d a b a a
a d b a C b

A₁c₁ 27 W c a , , C a , , a , a b b a d d c , ,
 , a a d c a , a , a , a a , A a a b c ,
 a d a b b b C a ,

A₁c₁ 28 I a b C a a d a a b c d d b C ,
c b a₁ ab a d a a d c a .

[illegible]

Figure 6. The effect of the initial concentration of the monomer on the polymerization of *l*-lysine. The polymerization was carried out at 30°C in 0.1 M NaOH solution. The initial concentration of the monomer was 0.05 M. The initial concentration of the initiator was 0.001 M. The polymerization was carried out in the dark.

A₁c₁ 30 M₁... a₁₁b₁, ... a₁₁... C₁... , ... c₁... a₁₁b₁, ... a d b₁... a d₁
d₁a₁... a d₁a₁c₁a₁... || ... a₁:

- (1) $a_1 \vdash b$, $da \vdash a$, $ca \vdash a$, $a \vdash a$;
- (2) $a \vdash da$, $c \vdash a$, $d \vdash ab$, $c \vdash b$, $a \vdash db$, $a \vdash c$;
- (3) $a \vdash a$, $d \vdash a$, $ac \vdash a$, $d \vdash c$;
- (4) $a \vdash da$, $a \vdash c$;
- (5) $a \vdash a$, $a \vdash ad$, $b \vdash C$, $b \vdash a$, $d \vdash a$, $a \vdash a$, $d \vdash c$;

