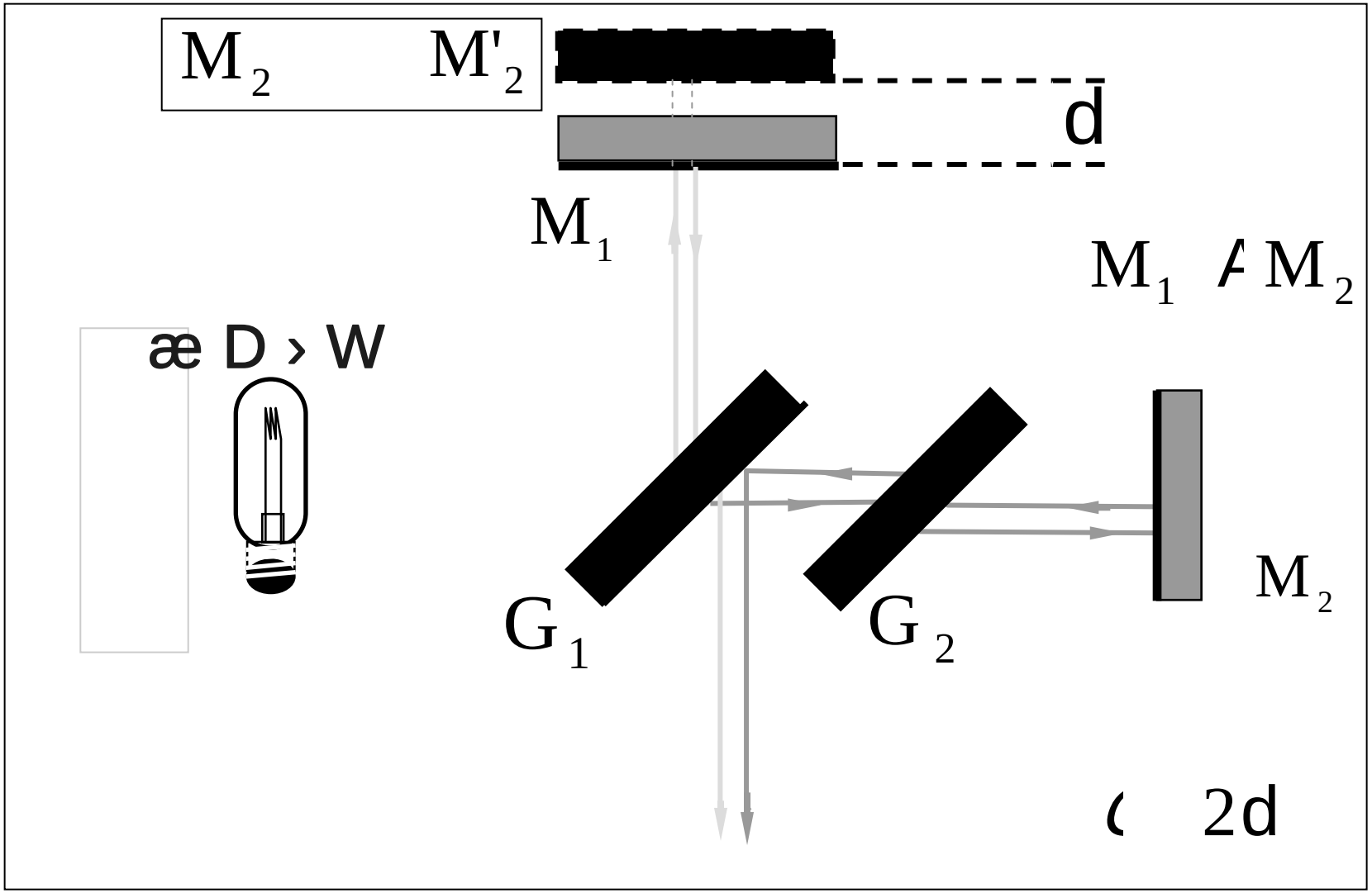
3.5


M2
M'2
d
M1
M1 ∕ M2
æ D › W
G1
G2
M2
(2d

3

(1) **M**

(2) **M** **1mm**

100

M **0.01mm** **M**

0.1mm **0.01mm**

33mm　　0.52mm　　0.00246mm

(3)

M　　0.01mm

100

M í　　0.0001mm

2

M_1 M_2

M_1 M_2c

S P_1

S ÈS_1 S

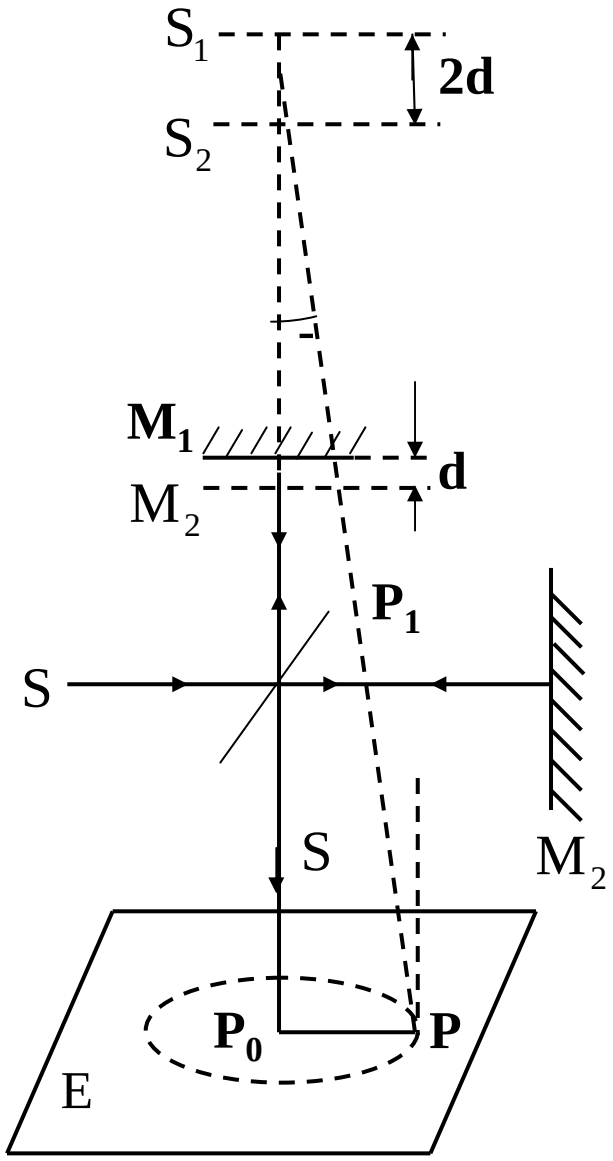
M_1 S_2 S M_2c

S P_1

M_1 M_2 P_1

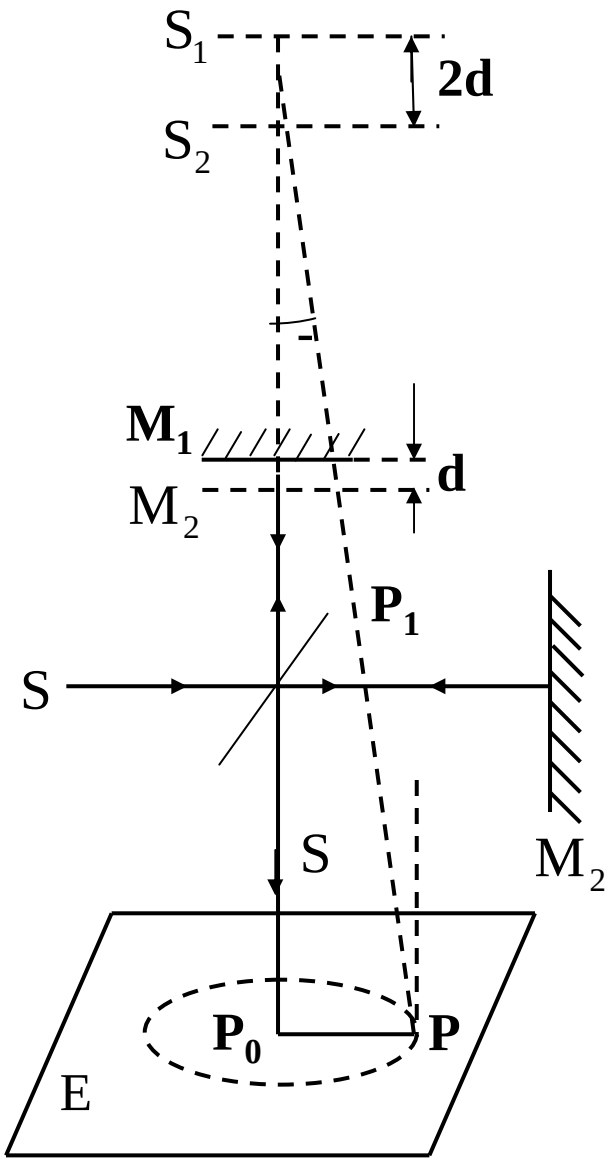
E

S_1 S_2



S_1 S_2c

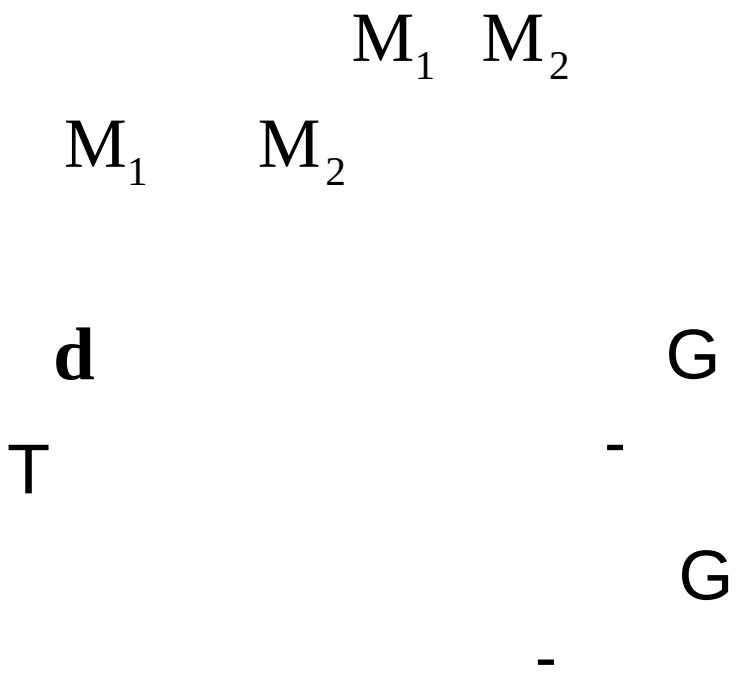
S



E **P**

S_1cS_2

(2d cos 7


M1 M2
M1 M2
d
G
T
-
G
-

M_1 M_2

M_1 M_2

He-Ne (

(2dcos 7 k((k 0,1,2, ")

7 0 2d k(2'd ('k) (

$$O \frac{2}{'N} 'd$$

1.

(1)

3 “

”

M_1 M_2

M_1

32mm

M_2
M_1

32mm

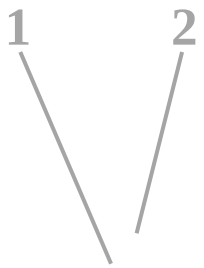
(2)

He-Ne

G_1

M_2

M_1



M_1

M_2

(1

2) M_1 ÃM_2

(3)

M_1

d

“ ” “ ” d

2. He-Ne

(1)

M_1

(2)

(3)

M_1

50

M_1 450

3-9

><3-9

(4)

$$O(\bar{O}rU_{\bar{O}})\mathbf{nm}$$

1. M_1

2. M_1 M_2 G_1 G_2

3. G_1

G_2 M_1 M_2

1.

2. **3-21** M_1 M_1 M_2 M_2 “ ” “ ”

3. **450**

4. 'N