

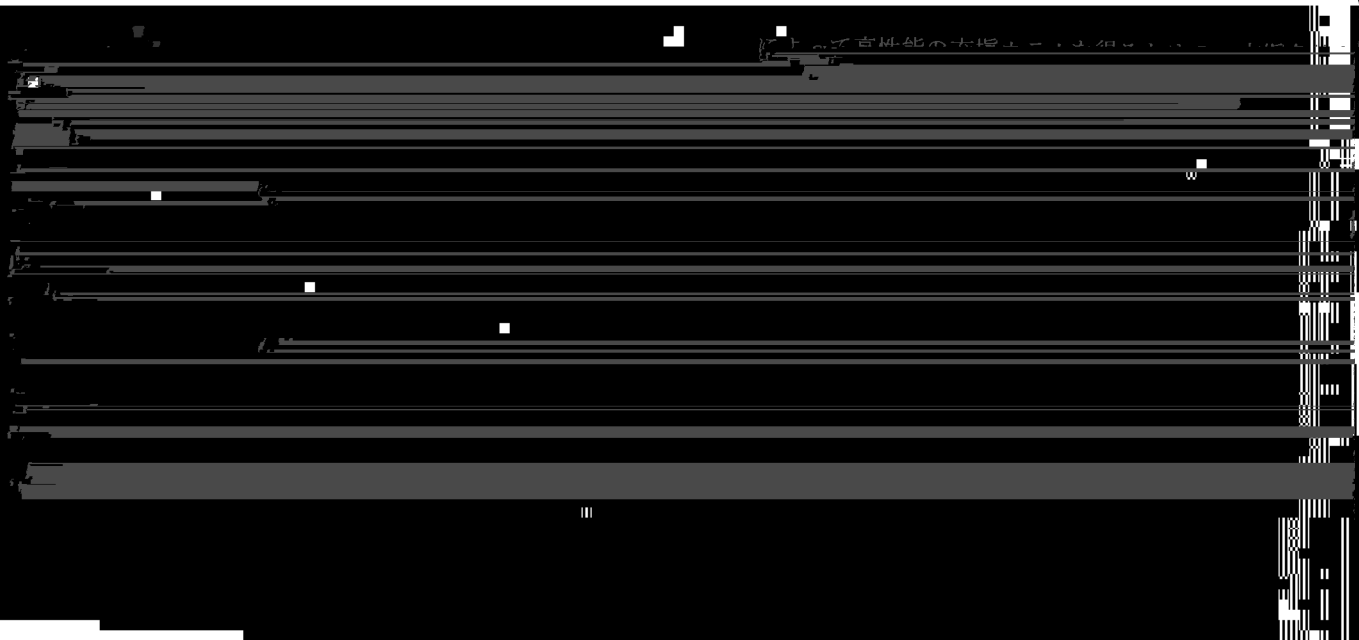
TOYOKU A DI 古地図

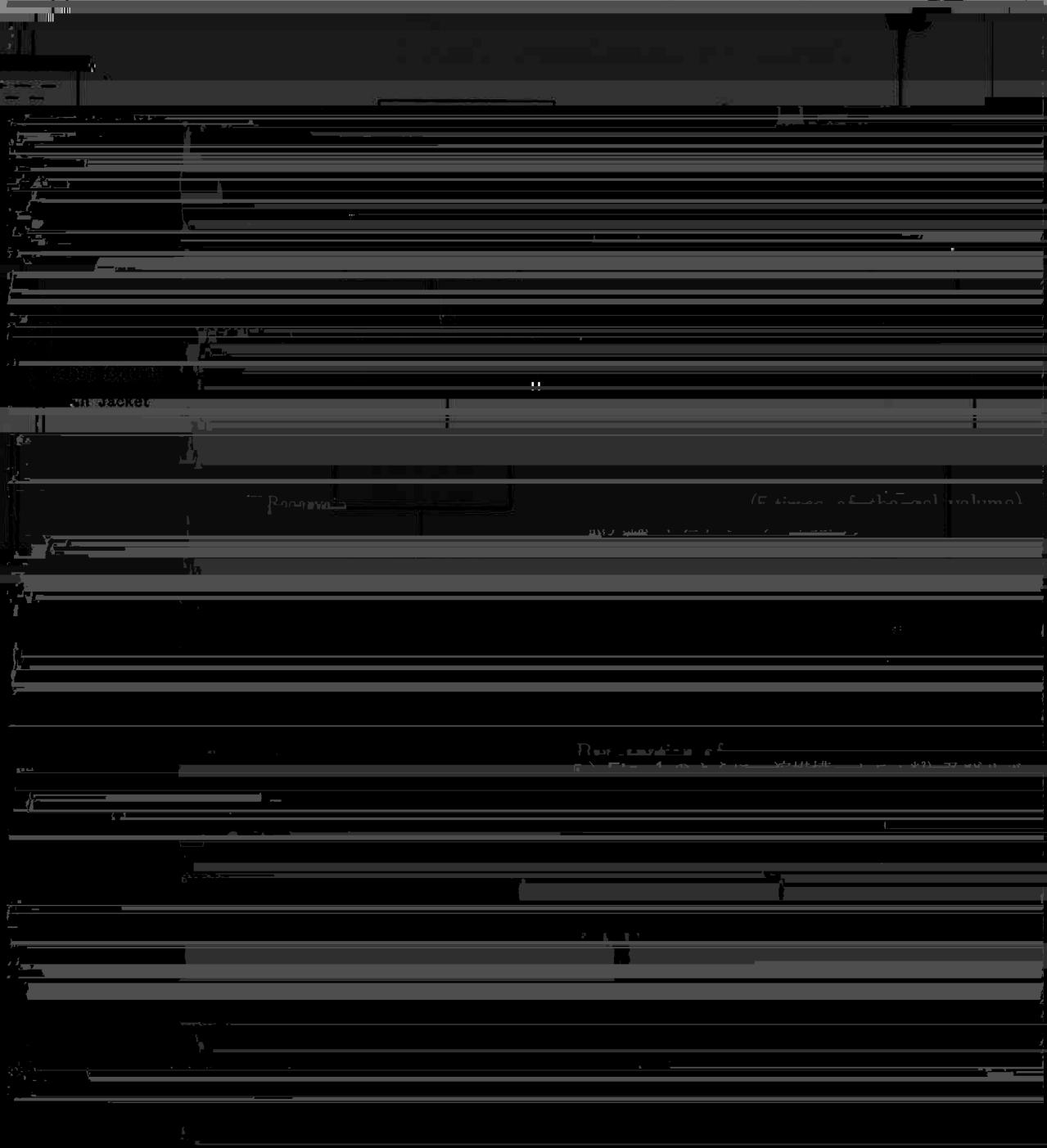
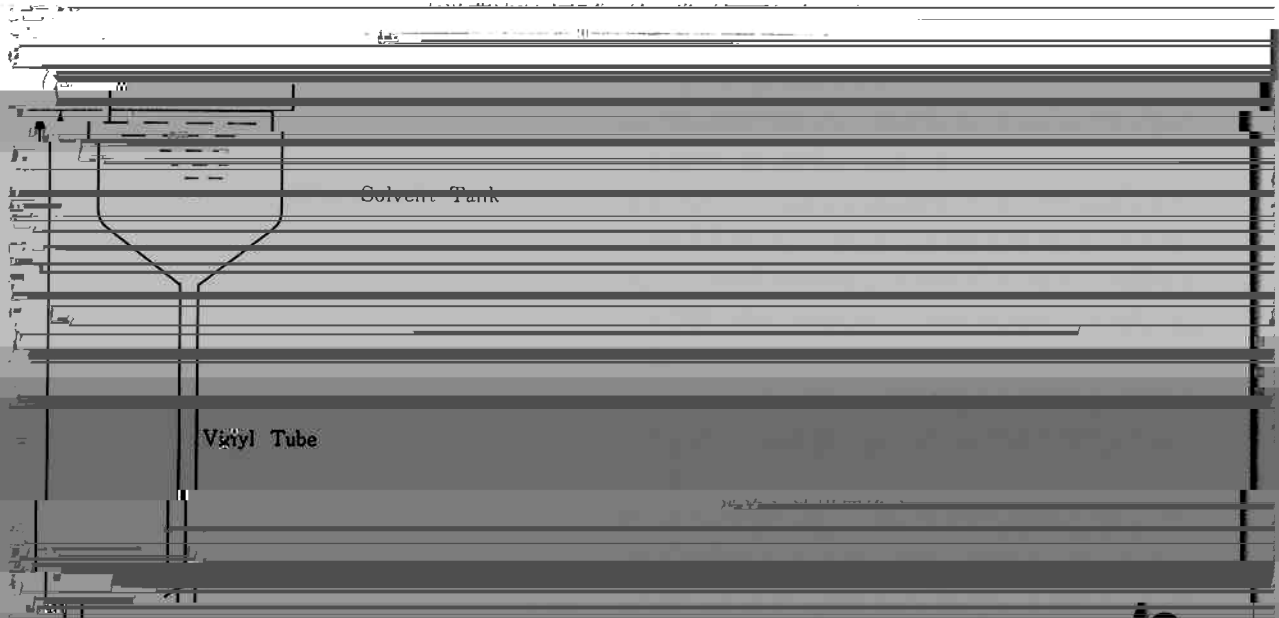
自然落差充填法

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田
長

Study on the D. Line of the Toyokuchi





CC-9

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W

A

1988

Col: HW-55F
Gel Bed: 4.4cm ID x 60cm
Slurry Conc.: 30% V/V
Packing Temp.: 20°C

Resolution
1

HW-55S

SC 100

60

Measuring Time: 200

Flow Rate: 10.0ml/min (F)

Col: HW-55S, HW-55F
Gel Bed: 4.4cm ID x 60cm

Packing Temp.: 20°C
Effluent Volume: 3.0 X Column Vol

g Flow Rate (ml)

Table 1 Effect of packing temperature on column performance

Measuring Temp.

10 15 20 25

25.0

4.0

1.980

1.110

2

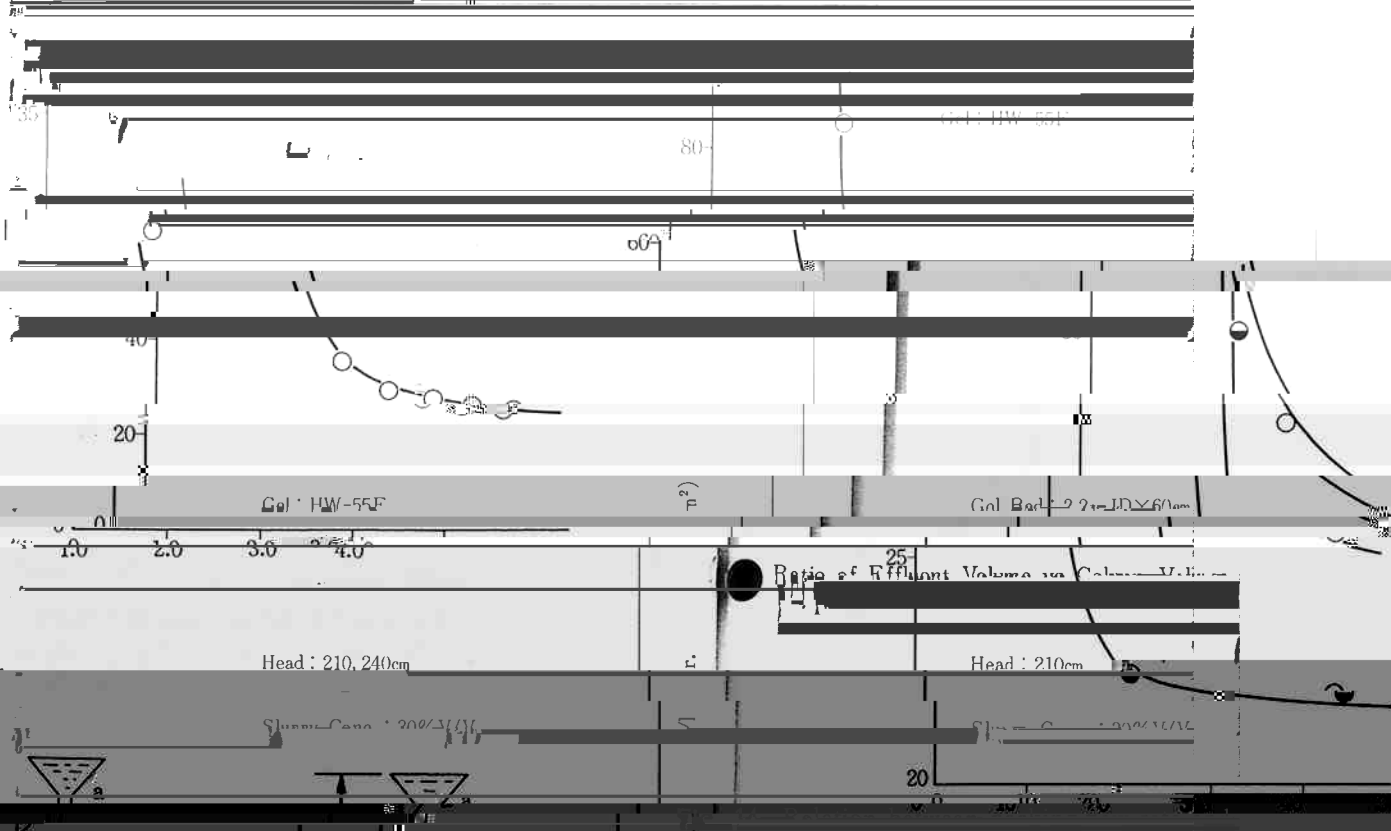
Column: 1.6cm ID x 60cm
Flow Rate: 13.2ml/hr.cm²
Mobile Phase: Toluene

Gel: HW-55P

Slurry Conc.: 30% V/V
Packing Temp.: 25°C
Effluent Volume: 3.0 x Column Vol.

2.0 2.5 3.0 3.5

4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0



ratio of effluent volume vs column volume

Effluent Volume : $3.0 \times$ Column Vol

Inner Diameter (mm) Column Length 60cm
 ○ Column Length 90cm

(m³/hr.cm²)

Flow Rat

Fig. 12 Dependence of flow rate on inner

diameter of column

Table 3 Performances of columns packed by gravity packing method

Equipment	Head									
Packing										
		Slurry &	Initial	Packing	Flow					Theoretical Plate
A										
A										
B										
B										
B										
B										
*A										
0	210	25	Slurry	85.0	27.9	1.43	1.62	1.24	590	1,140
1	100	60	Slurry	60.5	19.0	1.41	1.50	1.00	100	

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[REDACTED]

