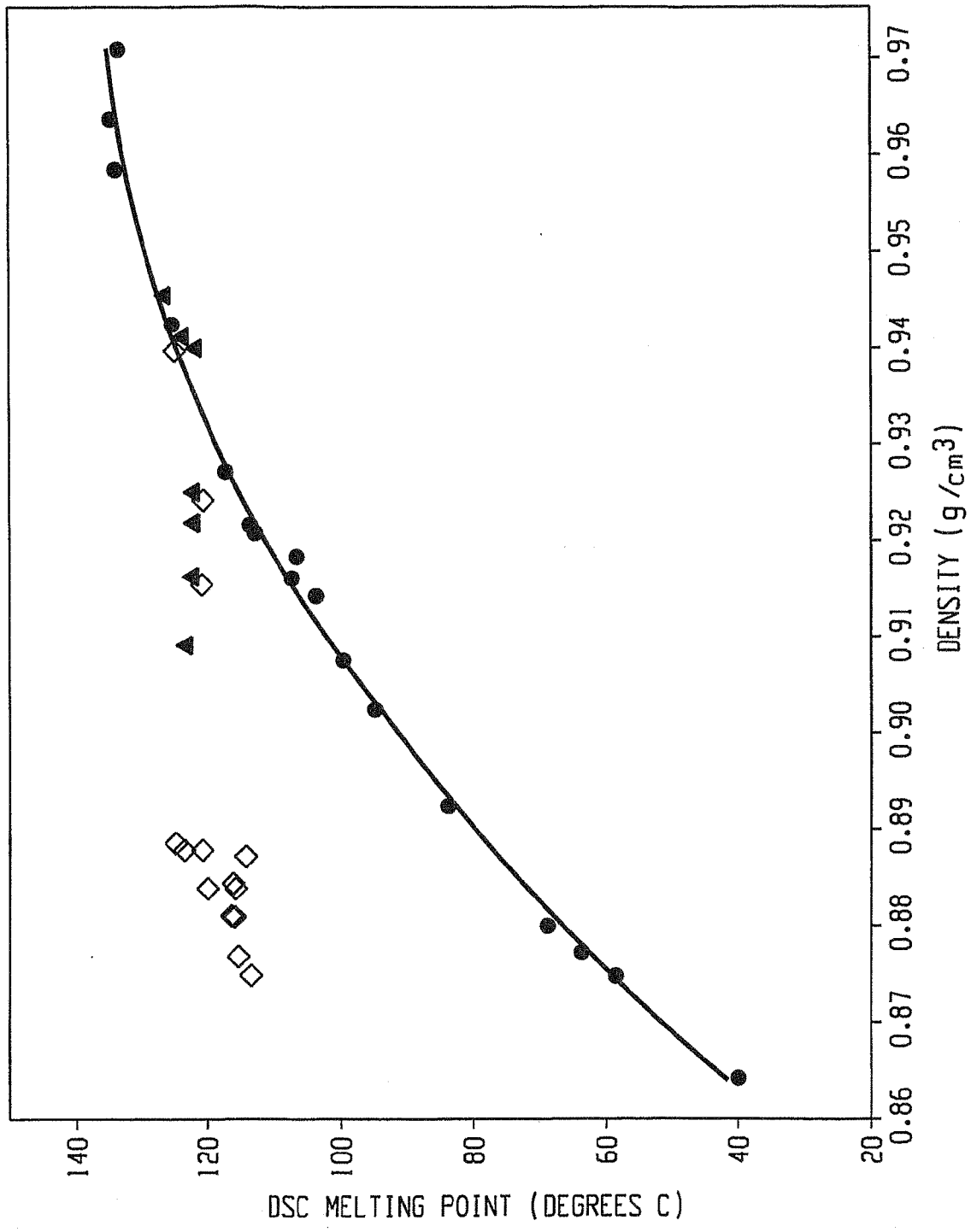
DENSITY (g/cm3)
0.86
0.87
0.88
0.89
0.90
0.91
0.92
0.93
0.94
0.95
0.96
0.97
DSC MELTING POINT (DEGREES C)
20
40
60
80
100
120
140

Fig. 1

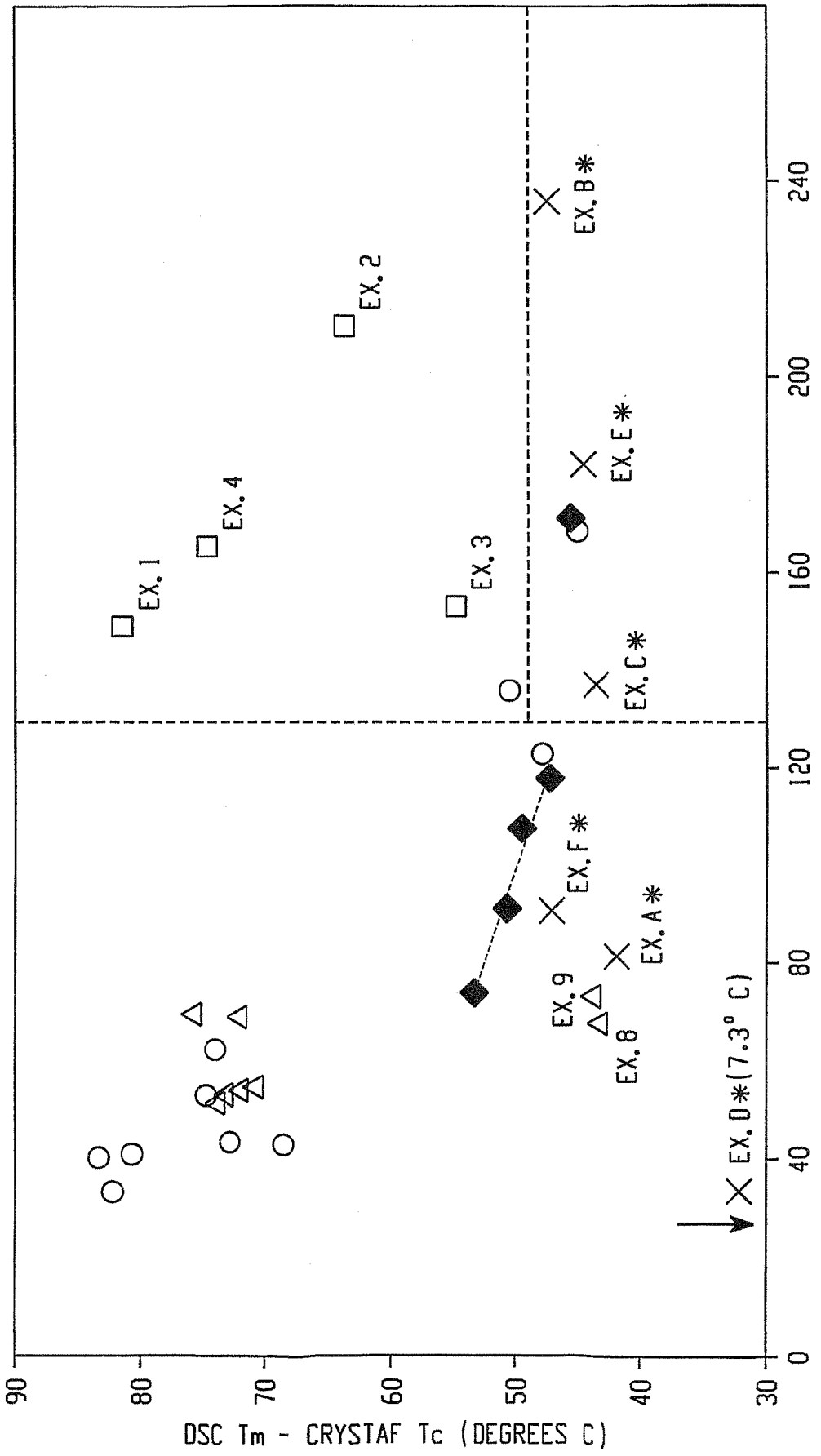
EX. 1
EX. 4
EX. 2
EX. 3
EX. B*
EX. E*
EX. C*
EX. F*
EX. A*
EX. 9
EX. 8
EX. D*(7.3° C)
HEAT OF FUSION (J/g)
DSC Tm - CRYSTAF Tc (DEGREES C)
0
40
80
120
160
200
240
30
40
50
60
70
80
90

Fig. 2

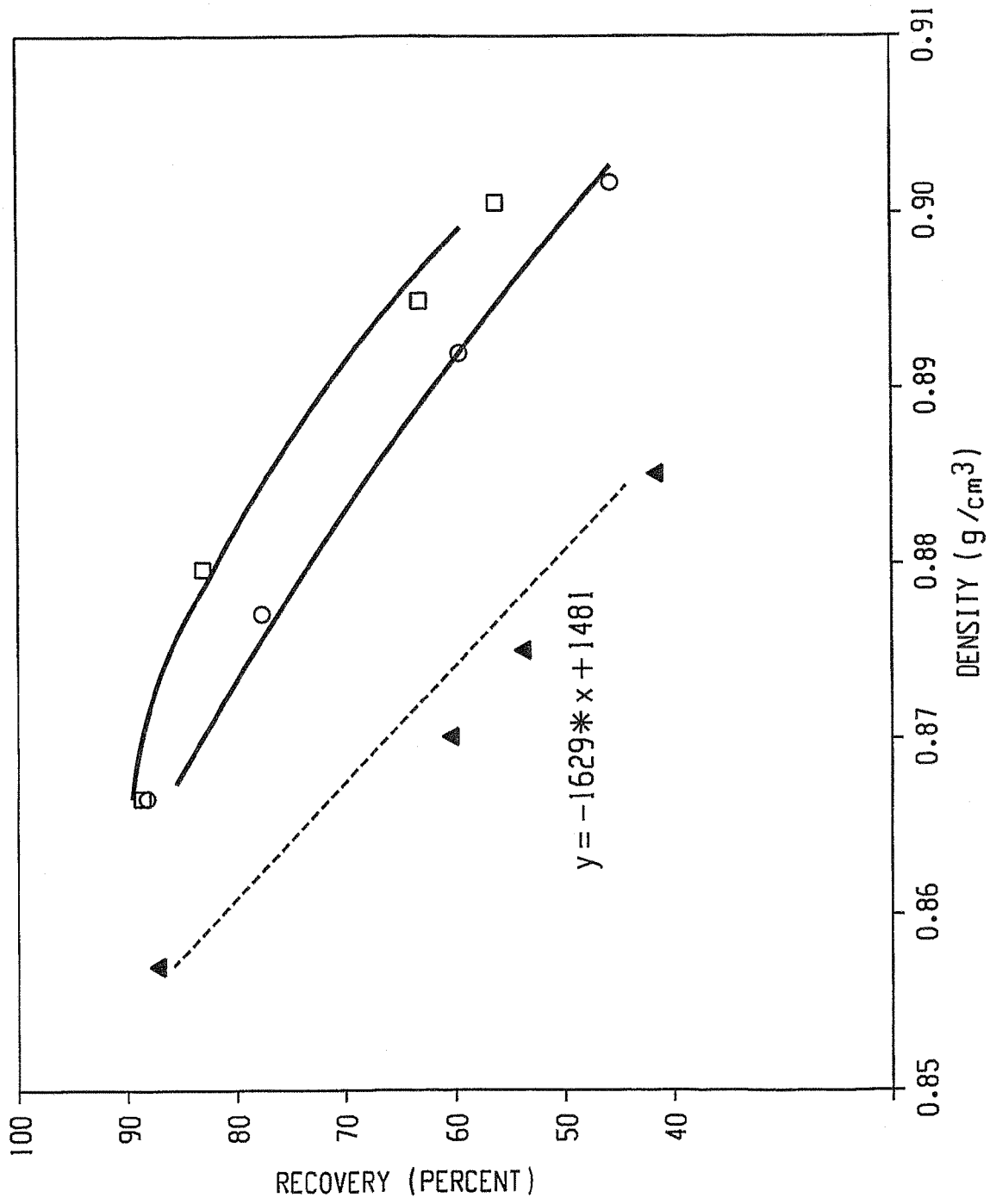
RECOVERY (PERCENT)
100
90
80
70
60
50
40
DENSITY (g/cm3)
0.85
0.86
0.87
0.88
0.89
0.90
0.91
y = -1629* x + 1481

Fig. 3

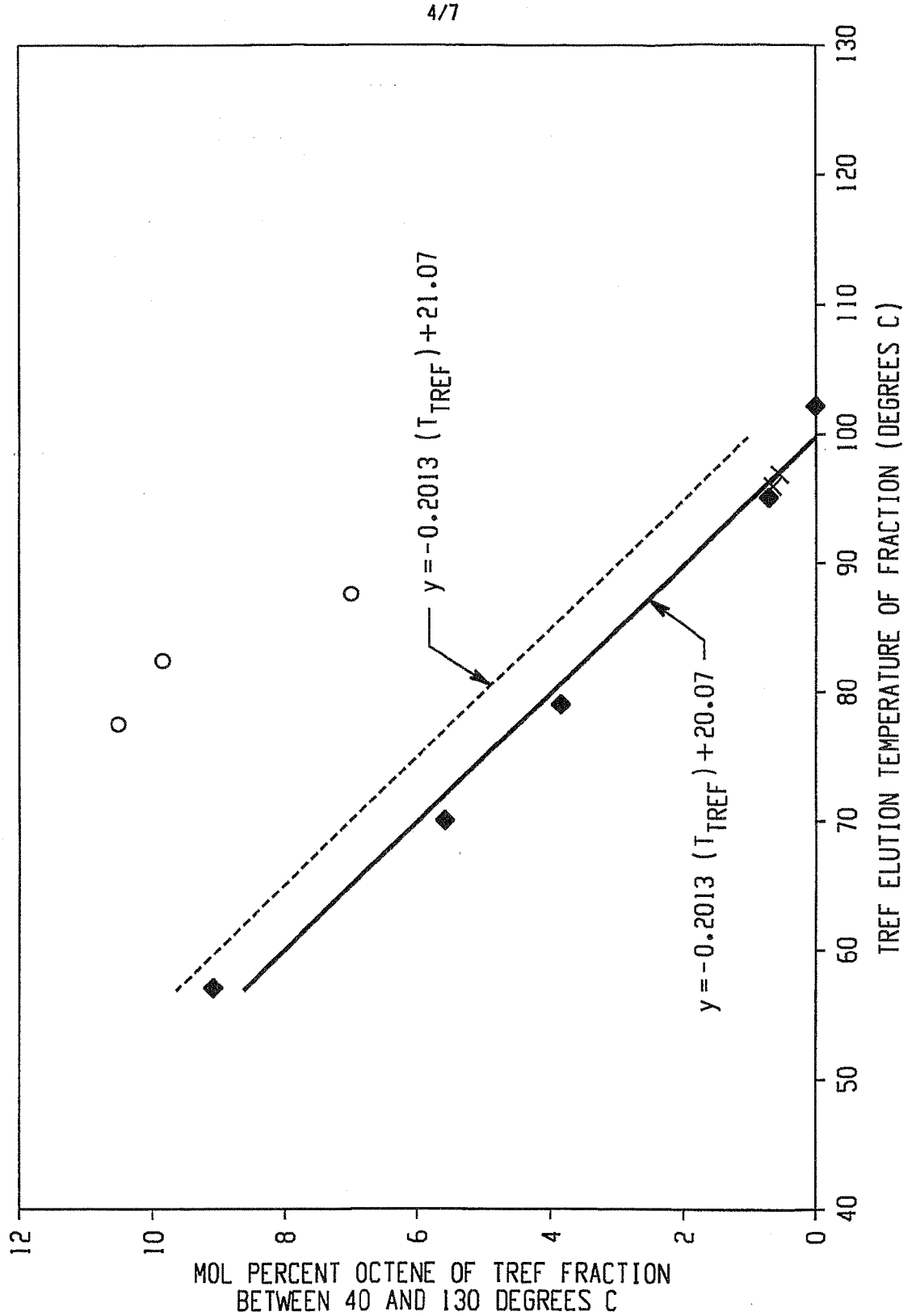
y = -0.2013 (T_TREF) + 21.07
y = -0.2013 (T_TREF) + 20.07
TREF ELUTION TEMPERATURE OF FRACTION (DEGREES C)
MOL PERCENT OCTENE OF TREF FRACTION BETWEEN 40 AND 130 DEGREES C
0
2
4
6
8
10
12
40
50
60
70
80
90
100
110
120
130

Fig. 4

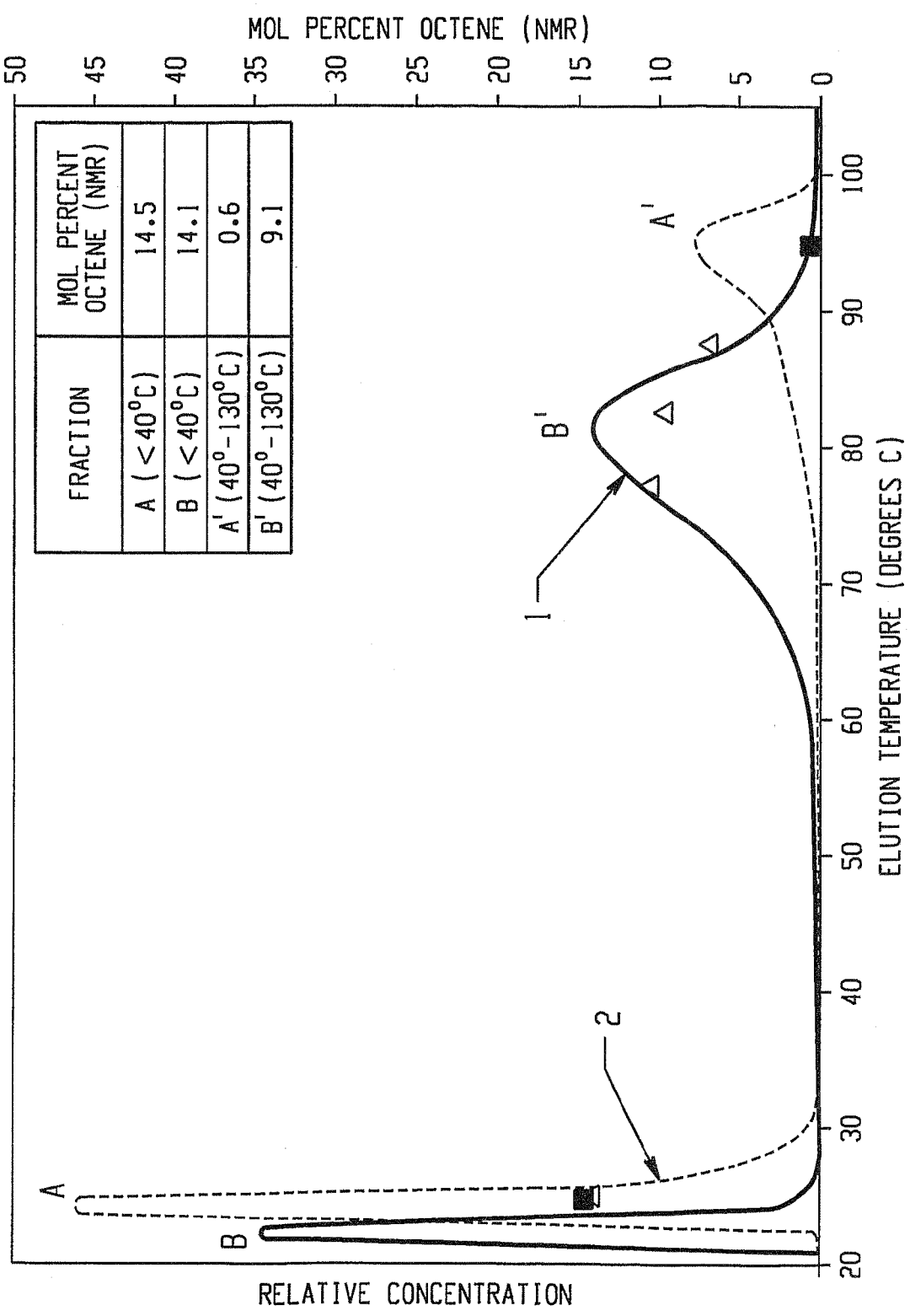
MOL PERCENT OCTENE (NMR)
50
45
40
35
30
25
20
15
10
5
0
FRACTION
MOL PERCENT OCTENE (NMR)
A (<40°C)
14.5
B (<40°C)
14.1
A' (40°-130°C)
0.6
B' (40°-130°C)
9.1
A
B
A'
B'
1
2
20
30
40
50
60
70
80
90
100
ELUTION TEMPERATURE (DEGREES C)
RELATIVE CONCENTRATION

Fig. 5

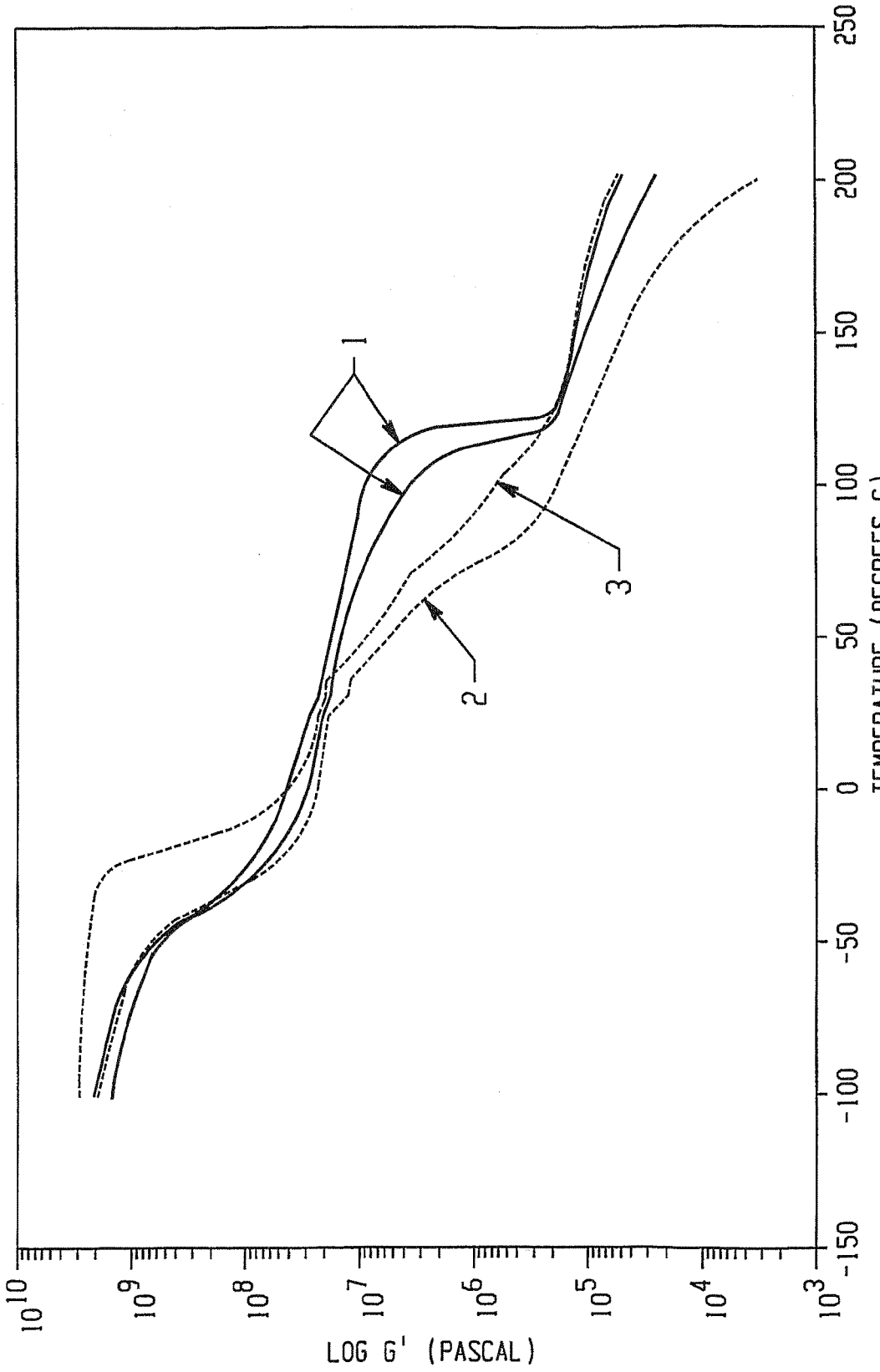
LOG G' (PASCAL)
$10^{10}$
$10^{9}$
$10^{8}$
$10^{7}$
$10^{6}$
$10^{5}$
$10^{4}$
$10^{3}$
TEMPERATURE (DEGREES C)
250
200
150
100
50
0
-50
-100
-150
1
2
3

*Fig. 6*

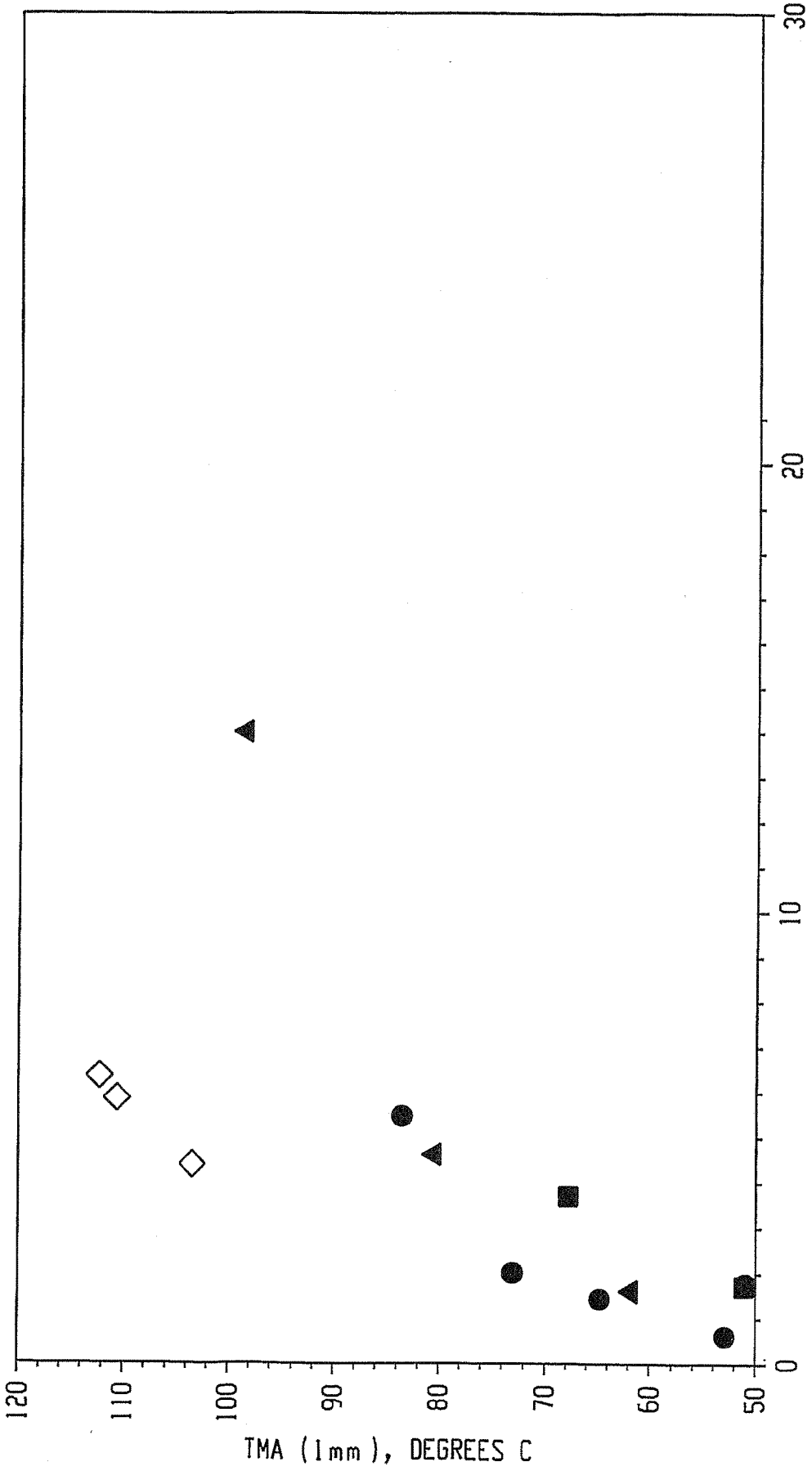
FLEX MODULUS, KPSI
0
10
20
30
TMA (1mm), DEGREES C
120
110
100
90
80
70
60
50

Fig. 7