



**The new proposed ISO macrotexture standard vs. the old**

Olle Eriksson  
olle.eriksson@vti.se

2009

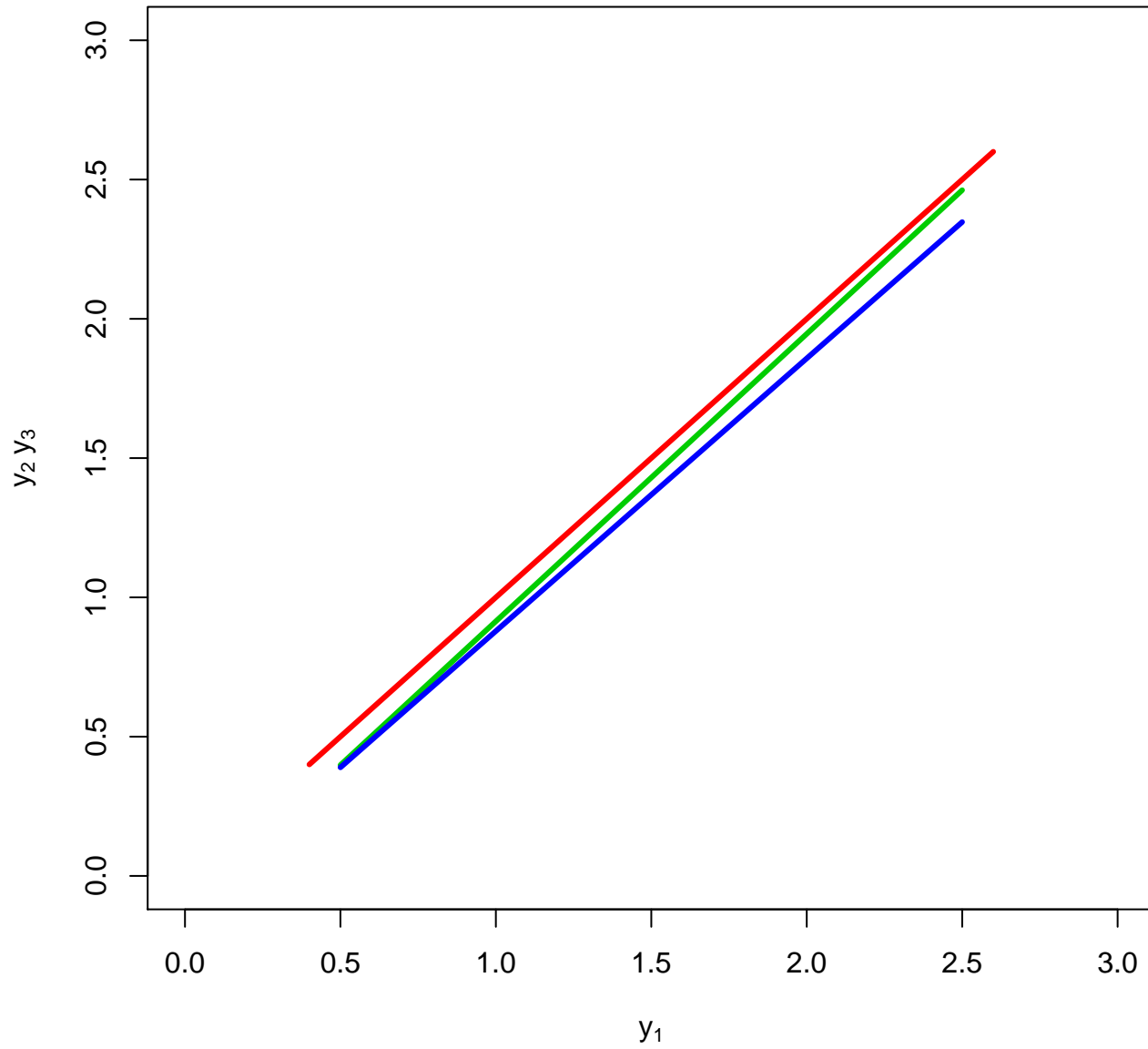
	S1	S2	S3
Section 1	5	5	5
Section 2	5	5	5
Section $n - 2$	1	1	1
Section $n - 1$	1	1	1
Section $n$	1	1	1

$$SD = c + d \cdot M$$

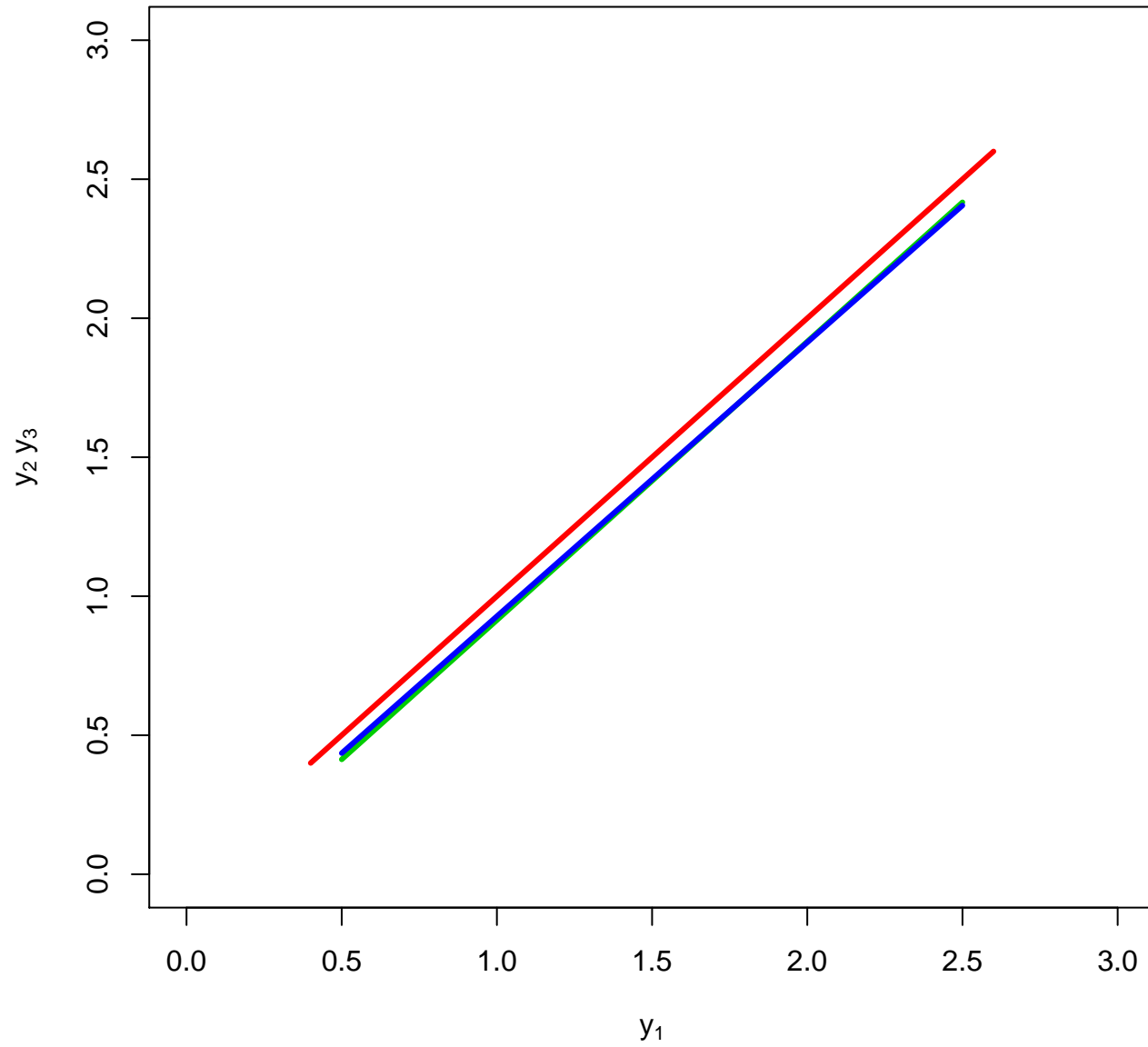
$$y_2 = a_2 + b_2 \cdot y_1$$

$$y_3 = a_3 + b_3 \cdot y_1$$

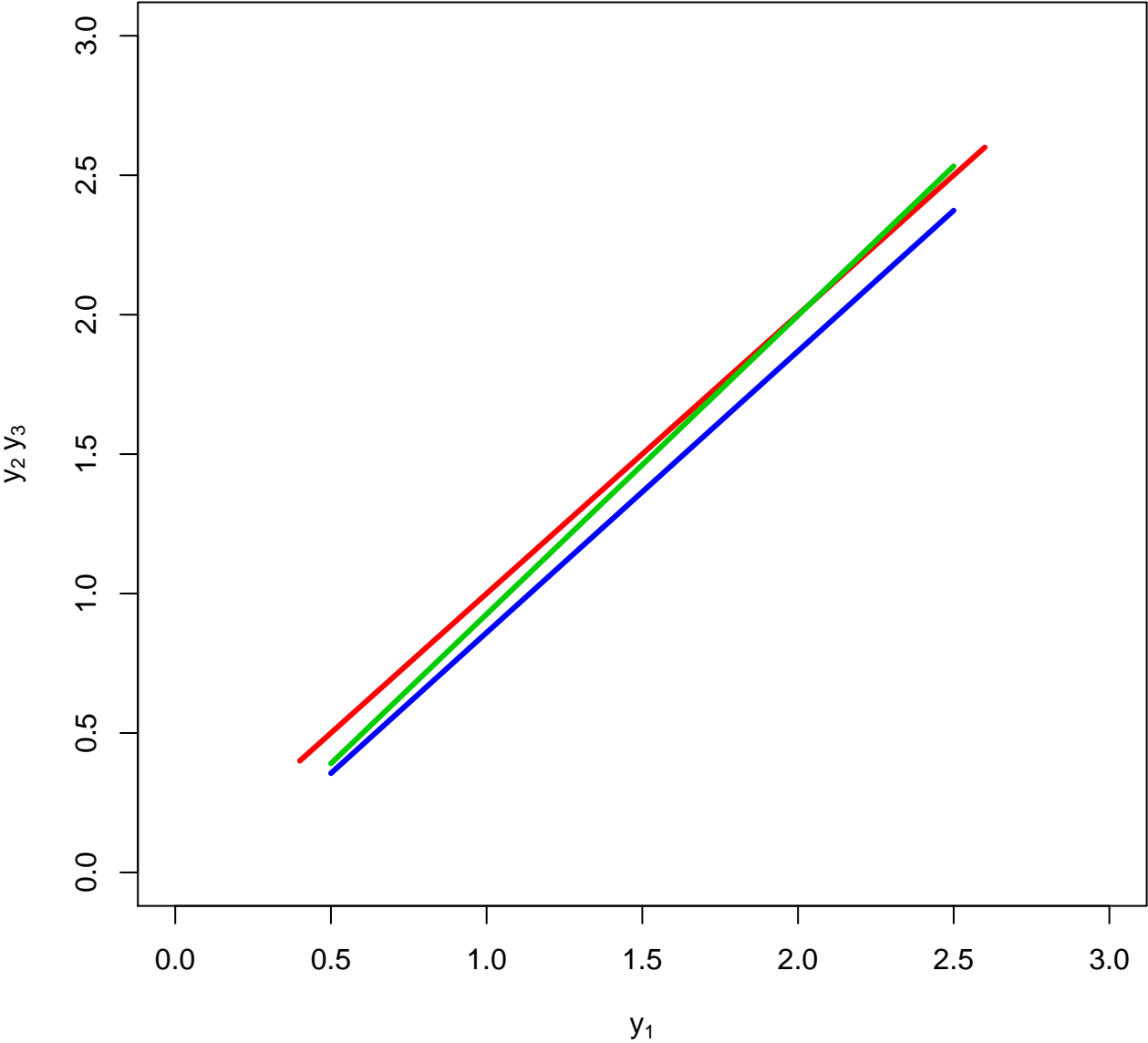
Left



# Center



Right



	Left		Center		Right	
	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>
S1	0.000	1.000	0.000	1.000	0.000	1.000
S2	-0.118	1.032	-0.088	1.002	-0.145	1.071
S3	-0.100	0.979	-0.057	0.985	-0.149	1.009

2014

	S1	S2	S3	S4
Section 1	15	15	15	15
Section 2	15	15	15	15
Section $m - 1$	15	15	15	15
Section $m$	15	15	15	15

$$SD = c + d \cdot M$$

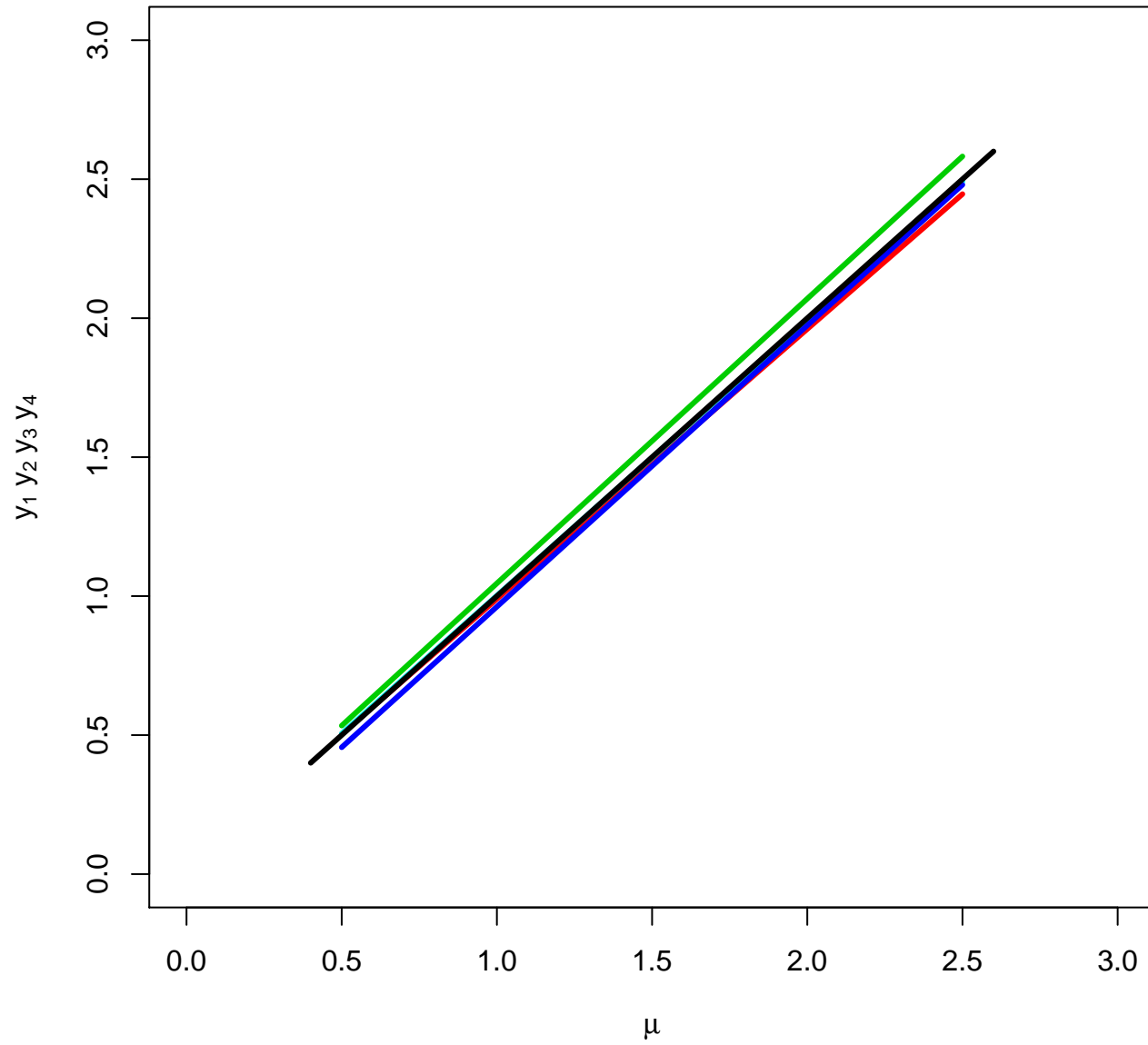
$$y_1 = a_1 + b_1 \cdot \mu$$

⋮

$$y_4 = a_4 + b_4 \cdot \mu$$

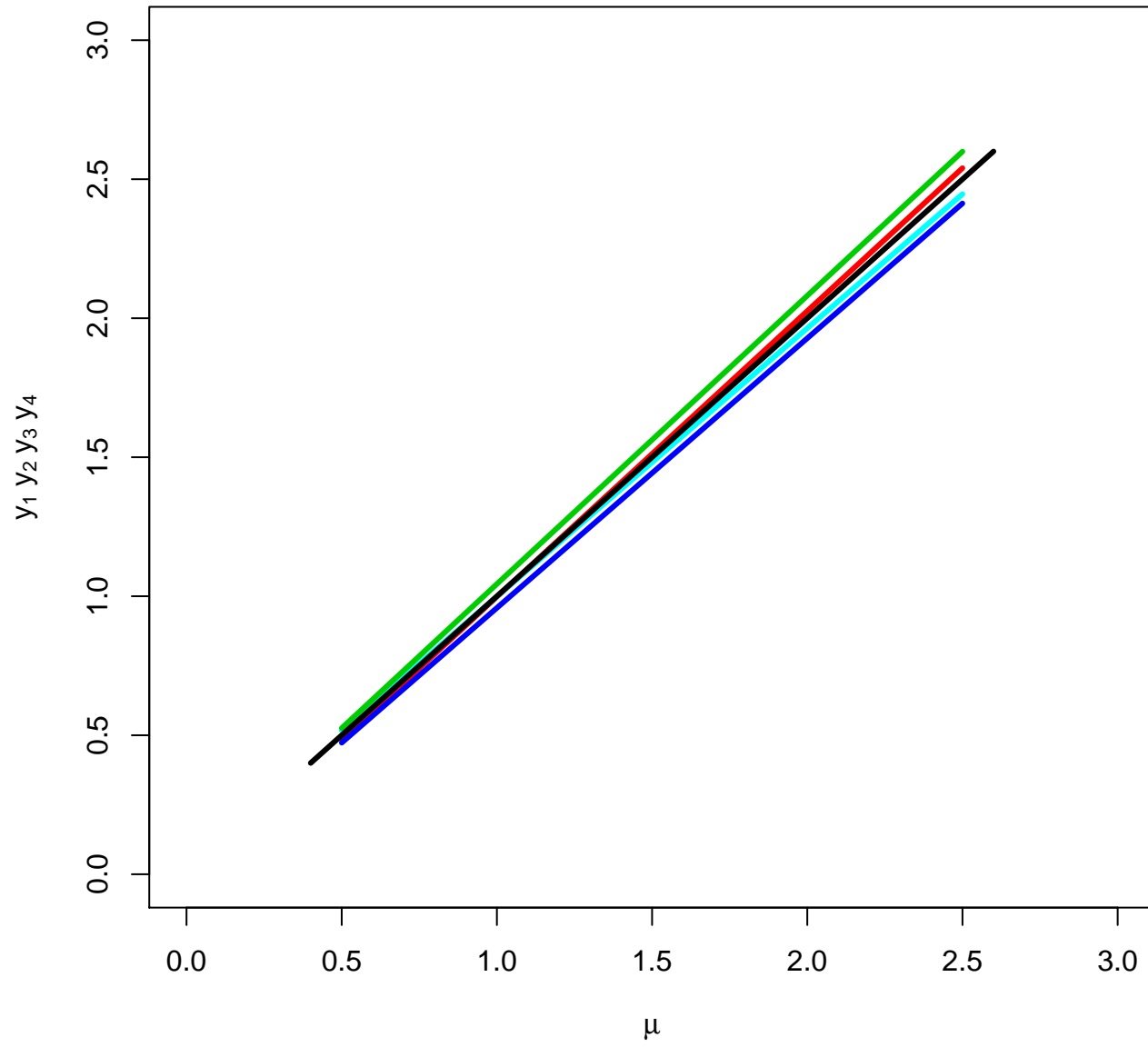
$$\sum a = 0 \quad \sum b = 4$$

Left

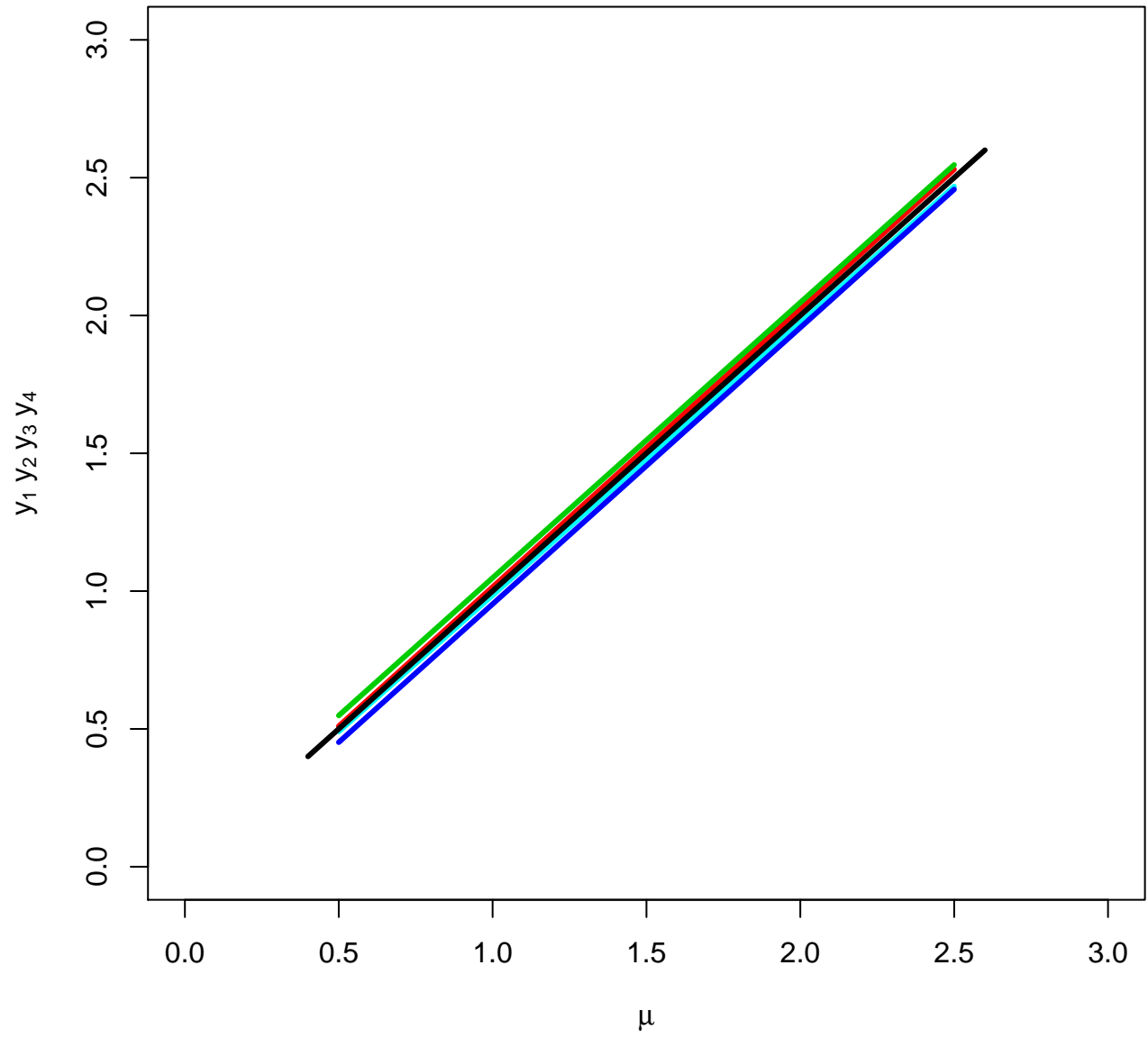




# Center

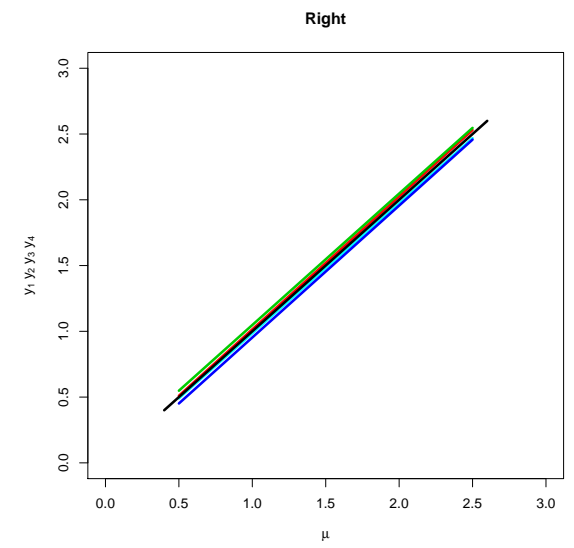
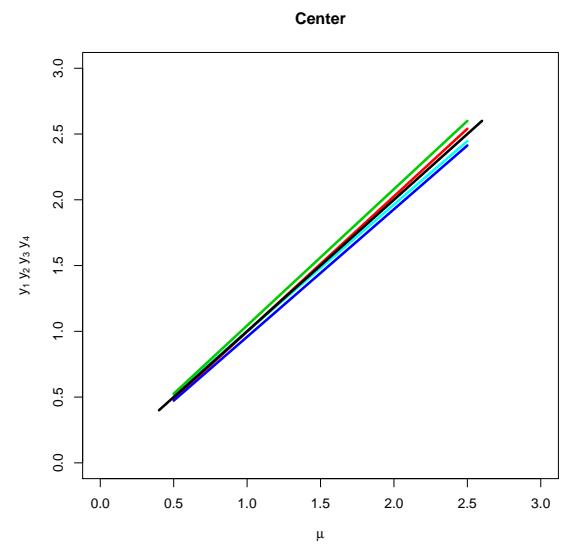
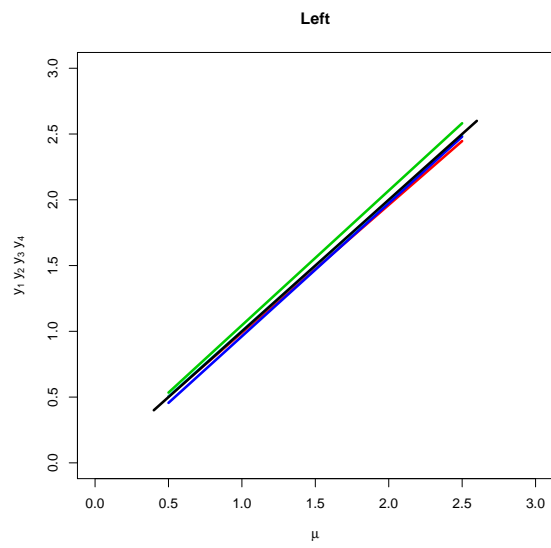
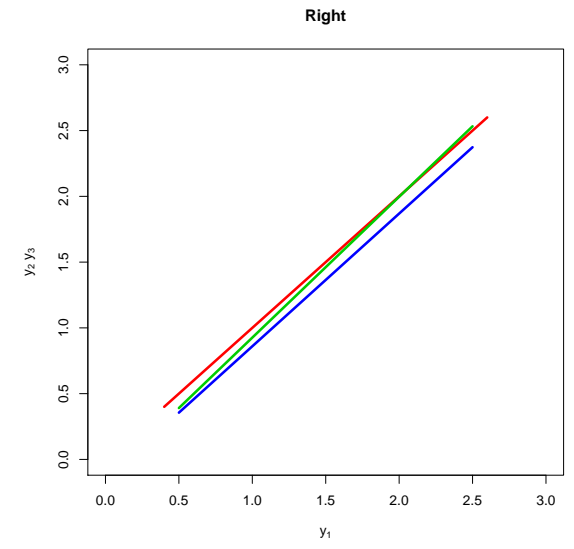
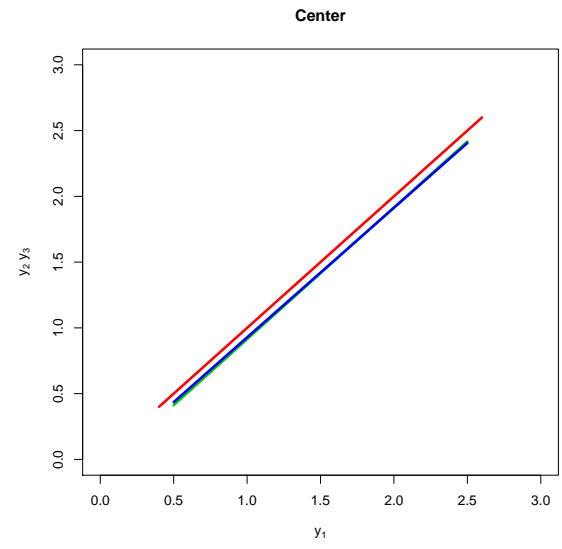
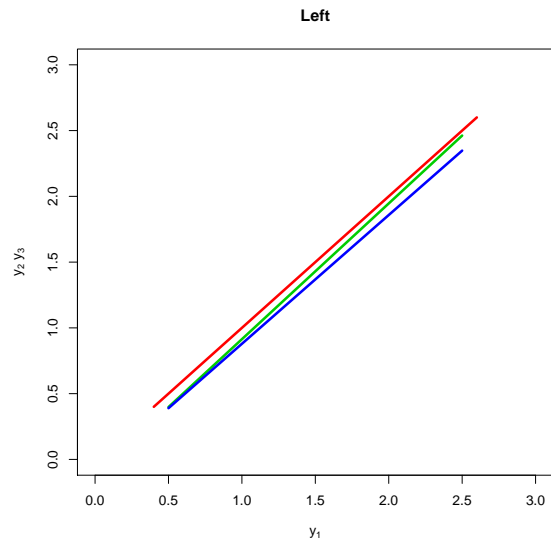


# Right



	Left		Center		Right	
	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>
1	0.019	0.971	-0.030	1.028	0.005	1.010
2	0.009	0.993	0.034	0.965	-0.004	0.989
3	-0.050	1.012	-0.012	0.970	-0.050	1.003
4	0.022	1.024	0.007	1.037	0.049	0.999

	Left		Center		Right	
	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>	<i>a</i>	<i>b</i>
1	0.072	0.996	0.048	1.005	0.098	0.973
2	-0.045	1.029	-0.040	1.006	-0.047	1.044
3	-0.027	0.975	-0.009	0.989	-0.051	0.983
1	0.019	0.971	-0.030	1.028	0.005	1.010
2	0.009	0.993	0.034	0.965	-0.004	0.989
3	-0.050	1.012	-0.012	0.970	-0.050	1.003
4	0.022	1.024	0.007	1.037	0.049	0.999



Thank You