

ELECTRONIC SUPPLEMENTARY INFORMATION

Numerical data used for the construction of Figs. 4.a and 4.B.

Figure 4a

Sample	Measurement 1	Measurement 2	Mean Value
S ₁₁	2.8	3.1	3.0
S ₁₂	2.3	2.1	2.2
S ₂₁	0.7	0.4	0.6
S ₂₂	1.6	0.8	1.2
R ₁₁	3.7	3.3	3.5
R ₁₂	3.6	3.1	3.3
R ₂₁	5.4	5.1	5.2
R ₂₂	5.4	5.2	5.3
US ₁₁	3.0	2.3	2.6
US ₁₂	2.4	2.4	2.4
US ₂₁	-0.1	-0.1	-0.1
US ₂₂	0.0	0.1	0.0
US ₃₁	-0.3	-0.4	-0.4
US ₃₂	0.03	0.07	0.02
C ₁₁	-0.6	-0.6	-0.6
C ₁₂	-1.0	-0.4	-0.7
C ₂₁	7.9	8.1	8.0
C ₂₂	7.9	8.5	8.2
C ₃₁	-2.0	-2.0	-2.0
C ₃₂	-1.6	-2.2	-1.9

Figure 4b

Sample	Measurement 1	Measurement 2	Mean Value
S ₁₁	4.5	4.2	4.3
S ₁₂	3.5	2.7	3.1
S ₂₁	1.3	0.8	1.1
S ₂₂	1.7	1.6	1.6
R ₁₁	3.6	3.2	3.4
R ₁₂	3.5	3.3	3.4
R ₂₁	6.3	5.5	5.9
R ₂₂	6.2	5.9	6.1
US ₁₁	3.4	2.3	2.9
US ₁₂	3.5	2.6	3.0
US ₂₁	1.6	0.6	1.1
US ₂₂	1.2	0.2	0.7
US ₃₁	0.7	0.1	0.4
US ₃₂	1.1	-0.5	0.3
C ₁₁	-0.4	-1.0	-0.7
C ₁₂	-0.6	-0.7	-0.7
C ₂₁	8.4	8.7	8.5

C ₂₂	8.6	8.0	8.3
C ₃₁	-2.3	-2.1	-2.2
C ₃₂	-2.0	-2.0	-2.0