Prof. Dr. Alfred Toth

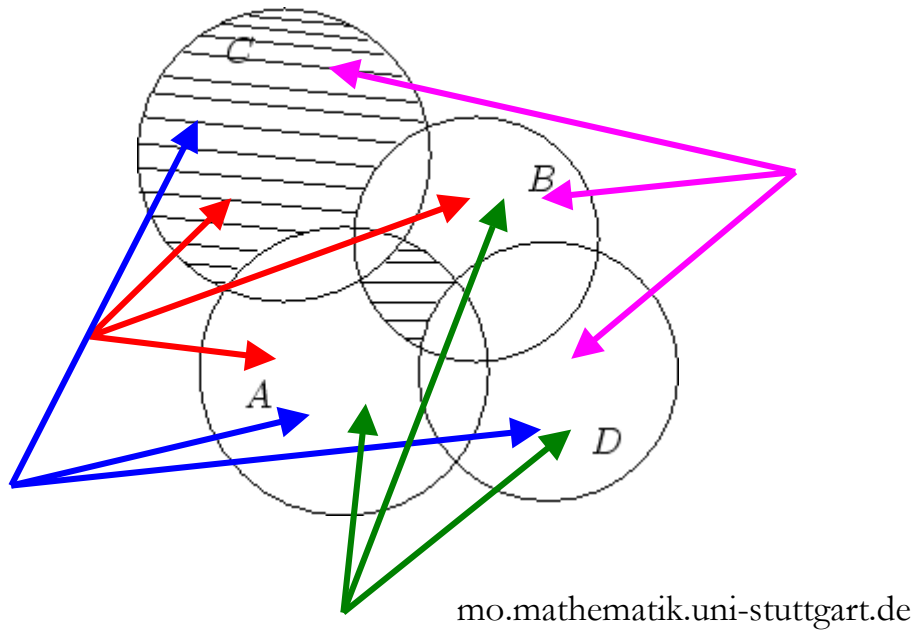## Illustration of contextures by a Venn diagram

1. In my newest book (Toth 2009), I have constructed the following 4-adic 3-/4- otomic pre-semiotic matrix which holds in 4 contextures:

	0	1	2	3
0	$(0.0)_{3,2,1}$	$(0.1)_{1,3}$	$(0.2)_{1,2}$	$(0.3)_{2,3}$
1	$(1.0)_{3,1}$	$(1.1)_{1,3,4}$	$(1.2)_{1,4}$	$(1.3)_{3,4}$
2	$(2.0)_{2,1}$	$(2.1)_{1,4}$	$(2.2)_{1,2,4}$	$(2.3)_{2,4}$
3	$(3.0)_{3,2}$	$(3.1)_{3,4}$	$(3.2)_{2,4}$	$(3.3)_{2,3,4}$

If we have a look at the trichotomies/tetratomies, we recognize that the following contextures appear or do not appear, resp.:

0:	1, 2, 3	4
1:	1, 3, 4	2
2:	1, 2, 4	3
3:	2, 3, 4	1

The sense of this little note is fulfilled in showing that the following Venn diagram:

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illustrates the mappings from the contextures to sets, when the red arrows stand of the 0-tricho-/tetratomies, the blue arrows for the 1-tricho-/tetratomies, the green arrows for the 2-tricho-/tetratomies, and the lilac arrows for the 3-tricho-/tetratomies.

Bibliography

Toth, Alfred, Elements of Theory of the Night. www.mathematical-semiotics.com (2009)

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