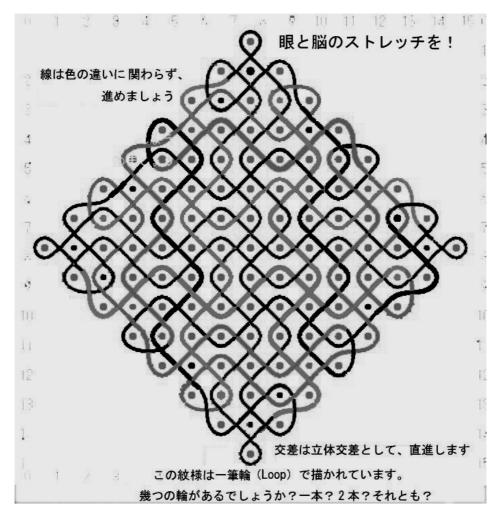Fig. 25. Training Kolam chart of brain activities to trace and keep the sight to the line, and to memorize the location once traced, for stretching eye-muscle or for preventing vertigoes-dizziness. To trace a moving line-edge in an animation of a large Kolam, for example Kolam called Diamond carpet [5] makes also eye-muscle stretch.

design-Characteristics of single stroke cycle, in Proc. of the 58th Symposium of Science on Forms, Bulletin of the Society for Science on Form in Japan, **19**(2), pp. 221–222.

[2-2] Nagata, S. and Yanagisawa, K. (2004) Kolam design software and tangible universal design tools, in Proc. of the 58th Symposium of Science on Forms, Bulletin of the Society for Science on Form in Japan, **19**(2), pp. 276.

[3] Yanagisawa, K. and Nagata, S. (2007) Fundamental study on design system of Kolam pattern, FORMA, **22**, 31–46.

[4-1] Nagata, S. and Robinson, T. (2006) Digitalization of Kolam patterns and tactile Kolam tools, in Formal Models, Languages and Applications (eds. K. Subramanian et al.), pp. 354–363, Chapter 24,

World Scientific Publishing Co. Ltd., London.

[4-2] Nagata, S. and Robinson, T. (2006) Learning Spatial Pattern Recognition Using the New Universal Block-Tool of PsyKolo for Kolam/Knot Patterns (Playing PsyKolo is Learning Geometric Issues in Mathematics), EA052, The CD Proceedings of the 12th ICEVI (International Council for Education of People with Visual Impairment) World Conference in Malaysia (http://icevi.org/publications/icevi_wc2006/02%20%20access_to_curricular_and_extra_curricular_areas/Posters/ea_052_nagata&robinson.pdf).

[5] Nagata, S. (2007) Digitalization and analysis of traditional cycle patterns in the world, and their contemporary applications, FORMA, **22**, 119–126.