

sizes of cross-section of wefts in comparison with width of a flow between thin warp threads. As a result the woven fabric will be left by a current of air (gas, a liquid, particles of any substances) in the form of thin "knife blade". This circumstance also should be considered at achievement of the maximal effect of operation of new structure of a woven fabric of special purpose.

On Figure 5 two variants of unit cells of a woven

fabric with limiting density on a weft are presented at phase $N_F = 0.4266$, allowing evidently to consider special circumstances porosity

The first variant of woven fabric structure combines limiting density L_{wft}^{lim} of an arrangement of the weft of flax threads and normal density L_{wp}^N of an arrangement of a warp threads of the cotton (Figure 5(a)). For a combination of such threads at a phase 0.4266 the big distinction in

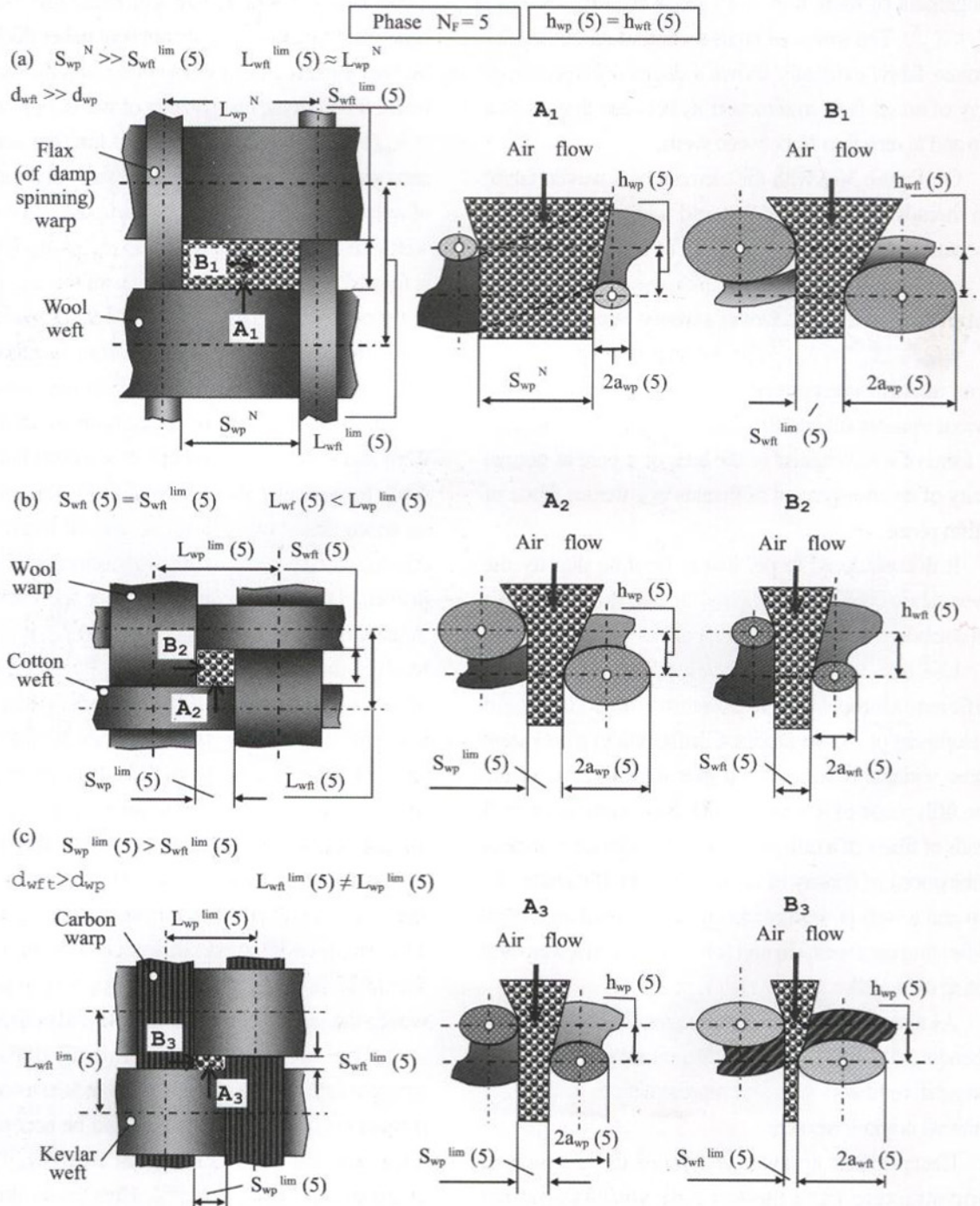


Fig. 4. Porosity of woven fabric of five phase with limit density.