



FIGURE 4.3: Vertical integer indexing used in the FORTRAN code. Note that the k -axis is orientated downward. The dashed area indicates the cell in which variables contained in arrays have the same k -index.

or j index (compare the dashed area in Fig.4.2 and 4.3). Since the scale factors are chosen to be strictly positive, a *minus sign* appears in the FORTRAN code *before all the vertical derivatives* of the discrete equations given in this documentation.

Domain Size

The total size of the computational domain is set by the parameters $jpiglo$, $jjjglo$ and $jkpda$ in the i , j and k directions respectively. They are given as namelist variables in the *namcfg* namelist.

Note that are other namelist variables in the *namcfg* namelist that refer to the domain size. The two variables $jpjda$ and $jjjda$ may be larger than $jpiglo$, $jjjglo$