Convolutional Random Vector Functional Link Network+
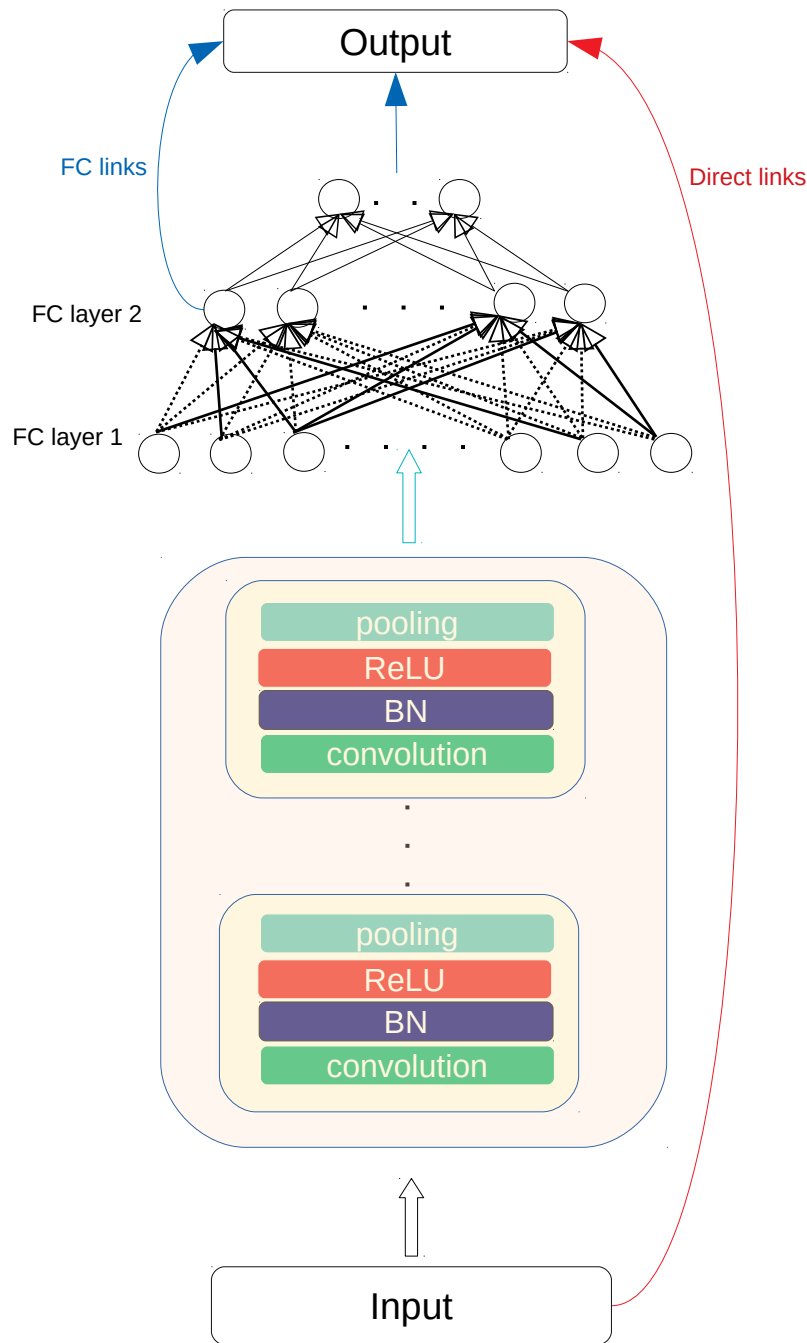

Figure 1 Framework of proposed convolutional RVFL network. It consists of several convolutional layers stacked on top of each other whose parameters are randomly generated and kept fixed during the training. Following a fully-connected layer linked with directly output layer with dropout probability of 0.5 whose parameters are randomly generated and kept fixed during the training. At the end, another fully-connected layer with relu transfer function whose parameters are analytically computed via pseudoinerse learning. Output layer is fed with original input data and output of designed fully-connected layers.

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