

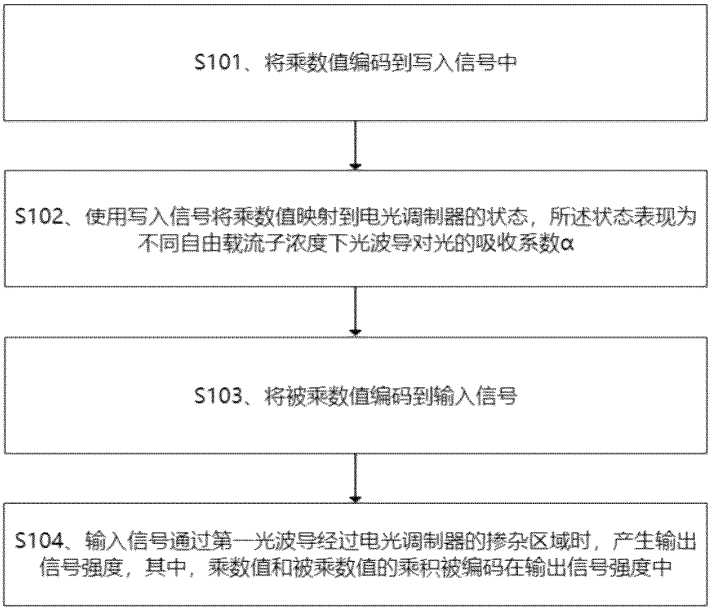


图 1

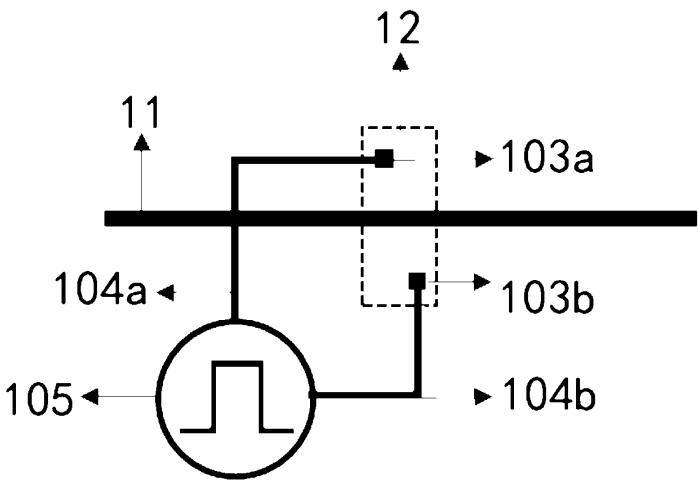


图 2

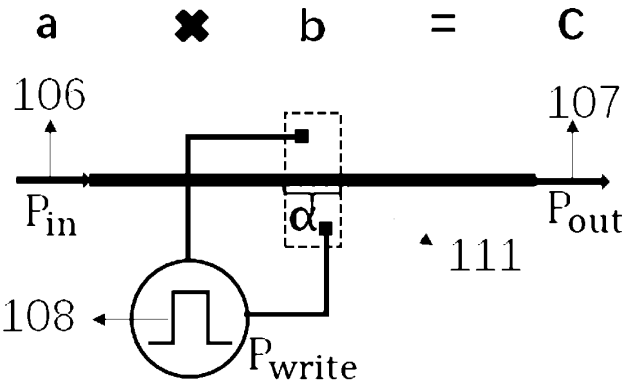


图 3

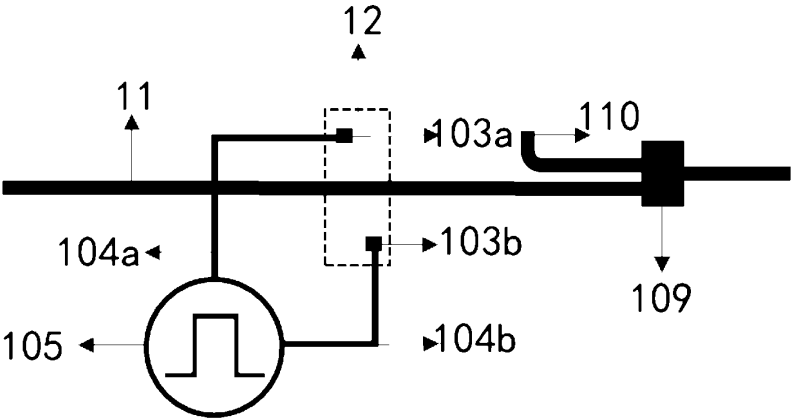


图 4

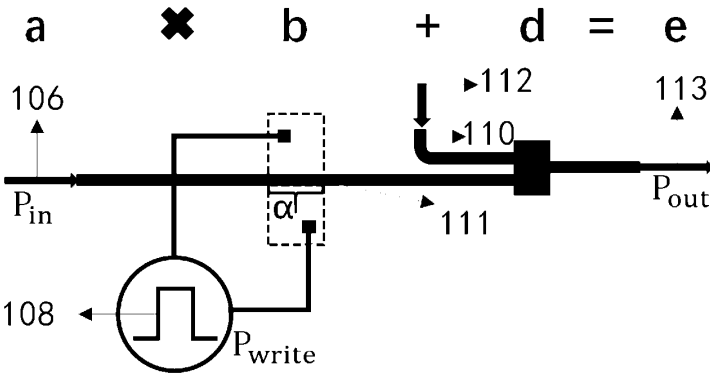


图 5

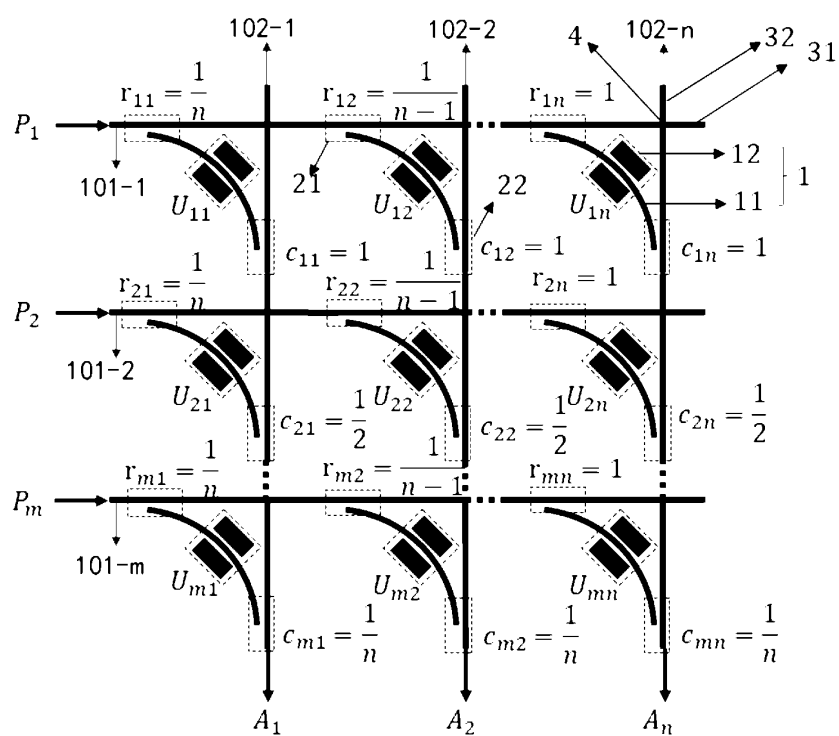


图 6

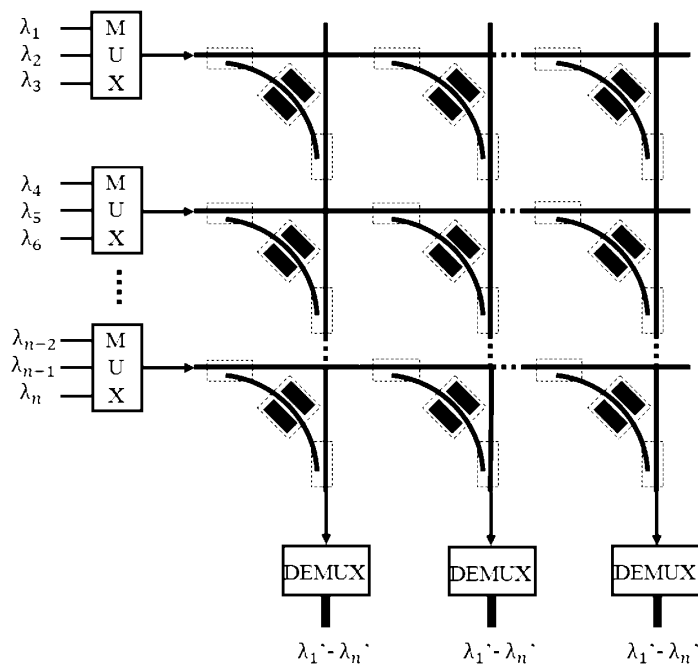


图 7

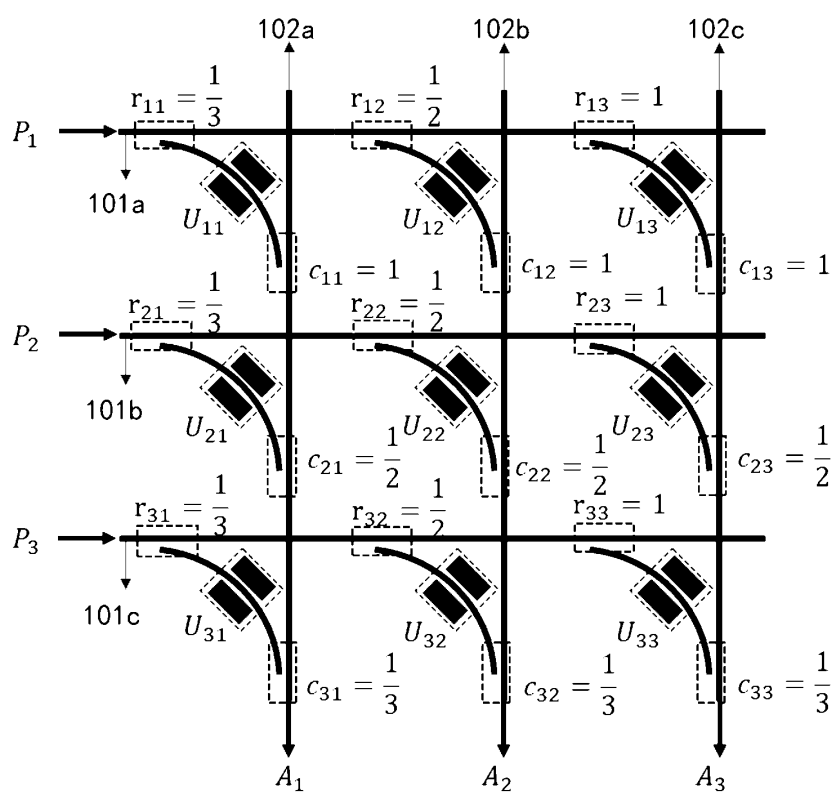


图 8

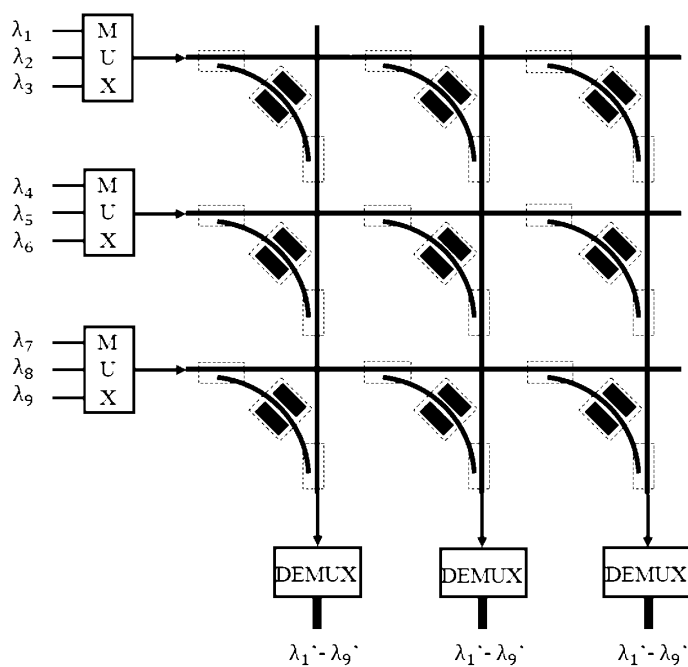


图 9

提供光电混合计算单元，所述光电混合计算单元包括相互连接的光子计算单元和光电转换器件，所述光子计算单元产生带有编码信息的光输出信号；所述光电转换器件将所述光输出信号转换成电流信号，所述电流信号的大小与所述光输出信号的功率成正比

S1

提供电总线，将通过若干个并联的光电转换器件后转化的相应个数的电流信号进行求和，产生电输出信号，所述电流信号进行加法运算后的和被编码在所述电输出信号中

S2

图 10

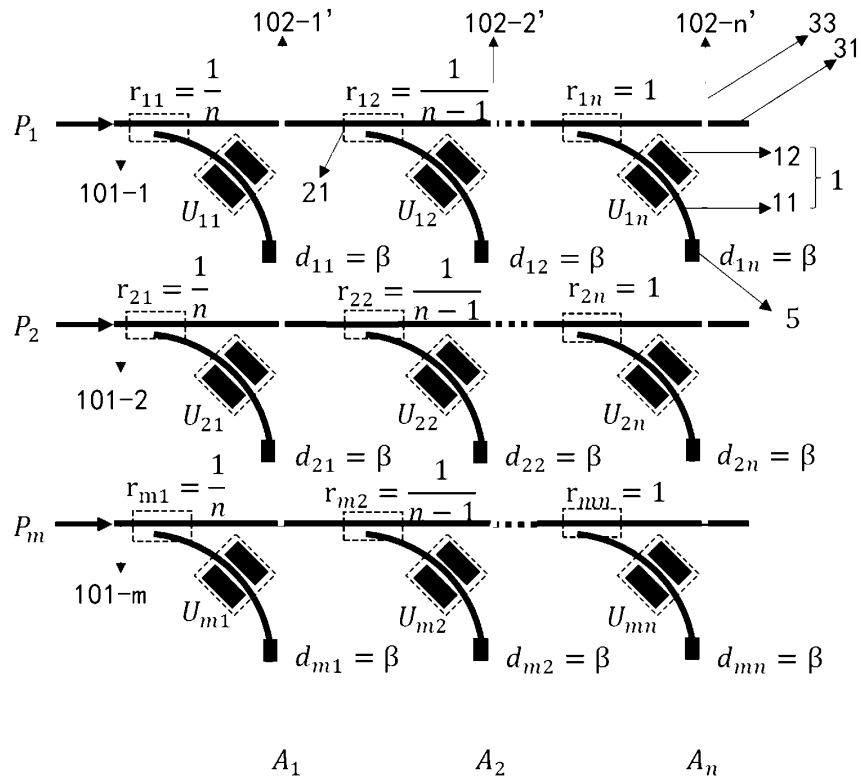


图 11

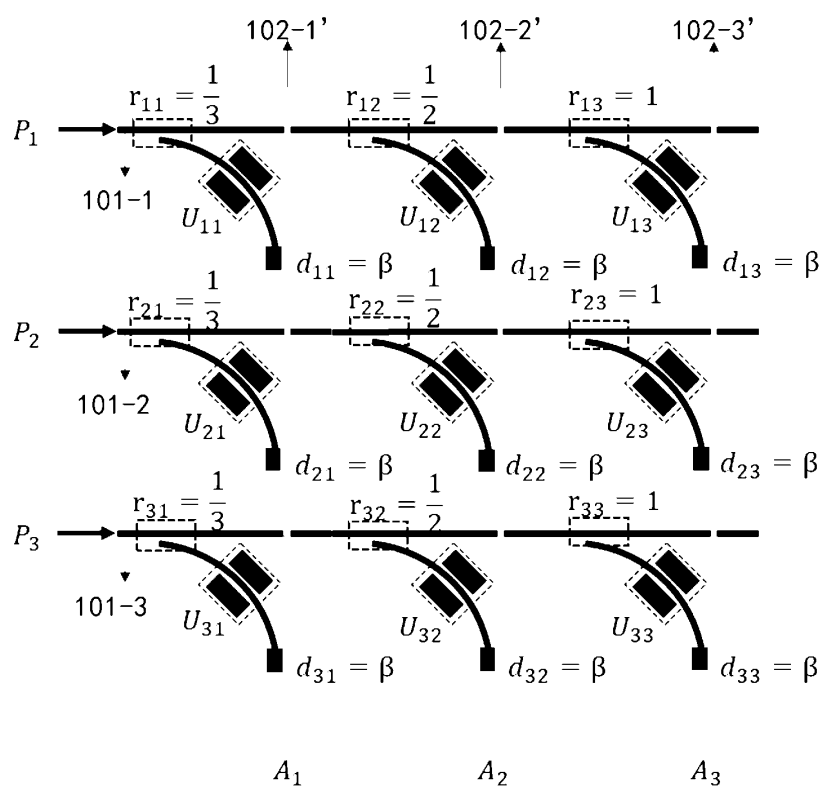


图 12

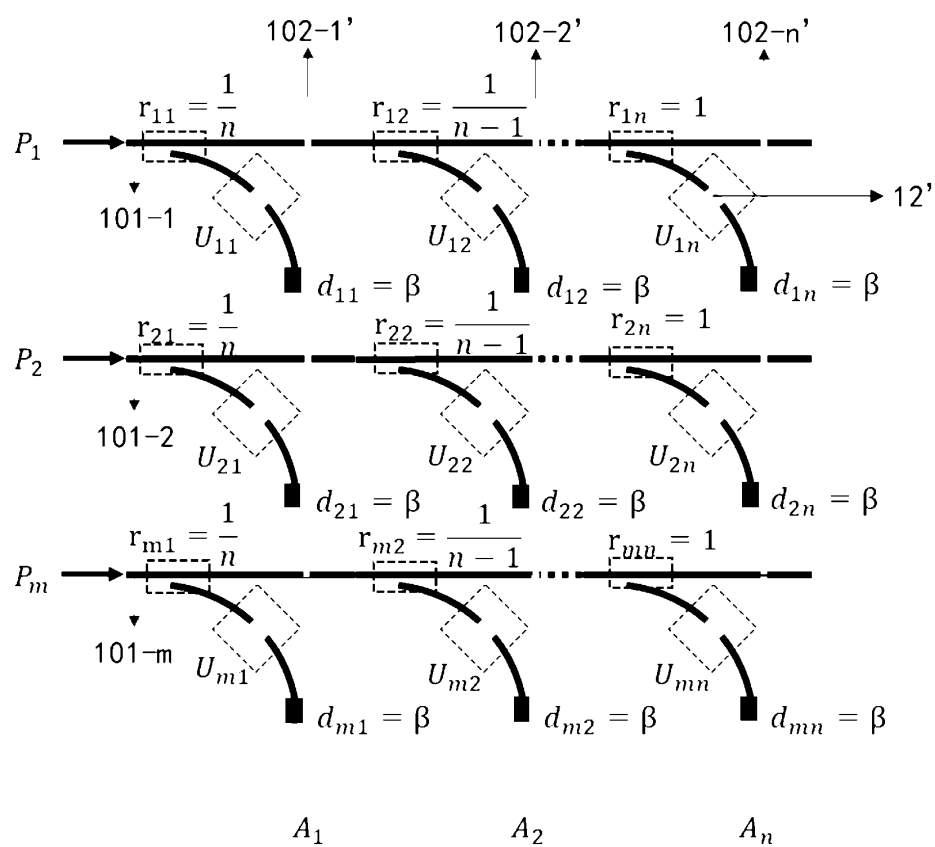


图 13

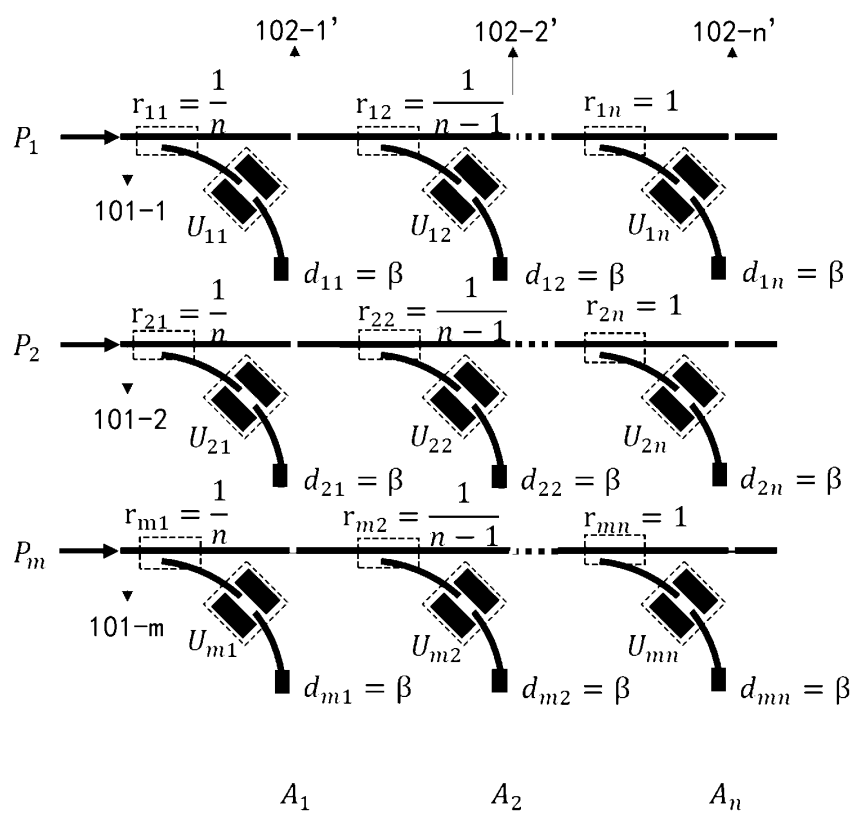


图 14