$$\mathbf{d}_{YLD,t} = \begin{array}{c} \text{H} \\ \text{CVD} \\ \text{DOC} \\ \text{trDCVD} \end{array} \left(\begin{array}{c} 0 \\ \mathbf{dw}\frac{1}{r\Delta_t}(1-e^{-r\Delta_t})\Delta_t \\ 0 \\ 0 \end{array} \right) \qquad \mathbf{d}_{YLL,t} = \begin{array}{c} \text{H} \\ \text{CVD} \\ \text{DOC} \\ \text{trDCVD} \end{array} \left(\begin{array}{c} 0 \\ 0 \\ 0 \\ \frac{1}{r}\left(1-e^{-rEx(a_t)}\right) \end{array} \right)$$