ERRATA TO “ENO RECONSTRUCTION AND ENO INTERPOLATION ARE STABLE”

There is a mistake in the Newton interpolation formulae. The final index in these expressions should be $r_{j-1}$ and not $r_j$. The error only affects the introduction of the paper: Lemma 2.1 and beyond is correct.

The full list of changes are as follows.

- Page 6, line 6:
  \[ f_i(x) = \sum_{j=0}^{p-1} V[x_{i+\ell_j}, \ldots, x_{i+\ell_j+m}] \prod_{m=0}^{j-1} (x - x_{i+\ell_{j-1}+m}) . \]

- Eqn. (2.1):
  \[ F_0(x) = \sum_{j=0}^{p} V[x_{r_j}, \ldots, x_{r_j+m}] \prod_{m=0}^{j-1} (x - x_{r_{j-1}+m}) , \]

- Page 7, line -3:
  \[ f_0(x) = \sum_{j=1}^{p} D_{[r_j, r_{j-1}]} \sum_{l=0}^{j-1} \prod_{m=0}^{j-1} (x - x_{r_{j-1}+m}) . \]

- Eqn (2.3):
  \[ v_{1/2}^- = f_0(x_{1/2}) = \sum_{j=1}^{p} D_{[r_j, r_{j-1}]} \sum_{l=0}^{j-1} \prod_{m=0}^{j-1} (x_{1/2} - x_{r_{j-1}+m}) = \sum_{j=1}^{p} D_{[r_j, r_{j-1}]} \prod_{m=0}^{j-1} (x_{1/2} - x_{r_{j-1}+m}) \]

- Page 8, line 1: “... corresponding to $l = r_{j-1} + 1/2$ ...

- Page 8, line 4: “... yields $v_{1/2}^- = \sum_{j=1}^{p} D_{[r_j, r_{j-1}]} \prod_{m=0}^{j-2} (x_{1/2} - x_{r_{j-1}+m})$.”

- Page 8, 10:
  \[ v_{1/2}^+ = f_1(x_{1/2}) = \sum_{j=1}^{p} D_{[1+x_j, 1+x_{j-1}]} \prod_{m=0}^{j-1} (x_{1/2} - x_{s_{j-1}+m+1}) \]

- Eqn (2.4):
  \[ v_{1/2}^+ - v_{1/2}^- = \sum_{j=1}^{p} \left( D_{[1+x_j, 1+x_{j-1}]} \prod_{m=0}^{j-1} (x_{1/2} - x_{s_{j-1}+m+1}) - D_{[r_j, r_{j-1}]} \prod_{m=0}^{j-2} (x_{1/2} - x_{r_{j-1}+m+1}) \right) . \]