Storing the nonlinar expansions

- **SSM parametrisation**
  - $\boldsymbol{W}_\epsilon(\boldsymbol{p},\boldsymbol{\phi}) = \boldsymbol{W}(\boldsymbol{p}) + \epsilon \boldsymbol{X}(\boldsymbol{p},\boldsymbol{\phi}) + \mathcal{O}(\epsilon^2)$
  - **Autonomous**
    - Expanded as $\mathbf{W}(\mathbf{p}) = \sum_{\mathbf{m}} \mathbf{W}_{\mathbf{m}}\mathbf{p}^{\mathbf{m}}$ - stored in struct array `W0`
      - `W0.coeffs(m)` - array that contains all order m coefficients $[\boldsymbol{W}_{\boldsymbol{m}_1}, \cdots, \boldsymbol{W}_{\boldsymbol{m}_{z_m}}]$
      - `W0.ind(m)` - array that contains the corresponding multi-indices $[\boldsymbol{m}_1, \cdots, \boldsymbol{m}_{z_m}]^T$
  - **Nonautonomous**
    - Expanded as $\mathbf{X}(\boldsymbol{z},\boldsymbol{\phi}) = \sum_{\mathbf{m}}\sum_{\boldsymbol{\kappa}} \mathbf{X}_{\boldsymbol{m},\boldsymbol{\kappa}}\boldsymbol{z}^{\boldsymbol{m}} e^{i\langle\boldsymbol{\phi},\boldsymbol{\kappa}\rangle}$ stored in struct array `W1`
      - `W1(i).kappa` contains the i-th harmonic $\boldsymbol{\kappa}_i$
      - `W1(i).W` contains the coefficients corresponding to $\boldsymbol{\kappa}_i$
        - `W1(i).W(m).coeffs` contains $[\boldsymbol{X}_{\boldsymbol{m}_1,\boldsymbol{\kappa}_i}, \cdots, \boldsymbol{X}_{\boldsymbol{m}_{z_m},\boldsymbol{\kappa}_i}]$
        - `W1(i).W(m).ind` contains $[\boldsymbol{m}_1, \cdots, \boldsymbol{m}_{z_m}]^T$
- **Reduced Dynamics**
  - $\boldsymbol{R}_\epsilon(\boldsymbol{p},\boldsymbol{\phi}) = \boldsymbol{R}(\boldsymbol{p}) + \epsilon \boldsymbol{S}(\boldsymbol{p},\boldsymbol{\phi}) + \mathcal{O}(\epsilon^2)$
  - **Autonomous**
    - Expanded as $\mathbf{R}(\mathbf{p}) = \sum_{\mathbf{m}} \mathbf{R}_{\mathbf{m}}\mathbf{p}^{\mathbf{m}}$ - stored in struct array `R0`
      - `R0.coeffs(m)` - array that contains all order m coefficients $[\boldsymbol{R}_{\boldsymbol{m}_1}, \cdots, \boldsymbol{R}_{\boldsymbol{m}_{z_m}}]$
      - `R0.ind(m)` - array that contains the corresponding multi-indices $[\boldsymbol{m}_1, \cdots, \boldsymbol{m}_{z_m}]^T$
  - **Nonautonomous**
    - Expanded as $\mathbf{S}(\boldsymbol{z},\boldsymbol{\phi}) = \sum_{\mathbf{m}}\sum_{\boldsymbol{\kappa}} \mathbf{S}_{\boldsymbol{m},\boldsymbol{\kappa}}\boldsymbol{z}^{\boldsymbol{m}} e^{i\langle\boldsymbol{\phi},\boldsymbol{\kappa}\rangle}$ stored in struct array `R1`
      - `R1(i).kappa` contains the i-th harmonic $\boldsymbol{\kappa}_i$
      - `R1(i).R` contains the coefficients corresponding to $\boldsymbol{\kappa}_i$
        - `R1(i).R(m).coeffs` contains $[\boldsymbol{S}_{\boldsymbol{m}_1,\boldsymbol{\kappa}_i}, \cdots, \boldsymbol{S}_{\boldsymbol{m}_{z_m},\boldsymbol{\kappa}_i}]$
        - `R1(i).R(m).ind` contains $[\boldsymbol{m}_1, \cdots, \boldsymbol{m}_{z_m}]^T$