



1. Find coordinate activated by pre-knowledge

2.a Find coordinates and function activated

2.b Recursively find until no new activations

3. Execute explicit SINDy

4. Find every function and coordinate not activated by the explicit solution

5. Execute implicit SINDy on the remaining components

6. Finalize the mixed SINDy solution

Final solution :  $s = [\text{yellow} \text{ red } \text{red} \text{ gray } \text{blue} \text{ gray } \text{gray } \text{gray } \text{yellow}]$

green : non-null coordinate/function data

red : pre-knowledge blue : explicit solution yellow : implicit solution

