and then the identity on the right is replaced.

The appropriate generalized inverse should be substituted.

If not, then the inverses shown may not exist. I use the approximate equality symbol here to emphasize.

\[ I \approx I - \left[ \ldots \right] \ldots = \text{prox} \mathcal{R} \]

\[ \mathcal{W} \left( I - \left[ \ldots \right] \ldots \right) = \text{mod} \mathcal{R} \]

The underdetermined case are:

Similarly, the model and data resolution for the

\[ \ldots \mathcal{W} \left( I - \left[ \ldots \right] \ldots \right) = \text{prox} \mathcal{R} \]

\[ I \approx \mathcal{W} \left[ \ldots \mathcal{W} \right] \left( I - \left[ \ldots \right] \ldots \right) = \text{mod} \mathcal{R} \]

Least-squares problems are:

The model and data resolution for the overdetermined...