TITLE AUTHORS 2 Abstract. Abstract 3 4 Key words. key words AMS subject classifications. AMS ref numbers 1. Introduction. 1.1. Contributions. 1.2. Previous studies / State-of-the-art. 8 1.3. Organization of the paper. 1.4. Notation. 10 11 3. . $\min_{\beta,\tau} \quad \frac{1}{2} \sum_{n=1}^{N} \left(F_n(\beta) \tau - \tilde{w}_n \right)^2 + \frac{1}{2} \lambda_\alpha \left\| \tau \right\|_2^2 + \lambda_\beta \mathcal{R}(\beta)$ (3.1)Equation (3.1) has the typical form of a variable projection problem [1]. 4. . 14 5. Conclusion. Conclusion 15 Appendix A. Proof of blablabla. 16 17 REFERENCES [1] D. P. O'LEARY AND B. W. RUST, Variable projection for nonlinear least squares problems, 18

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Comput. Optim. Appl., 54 (2012), pp. 579–593, https://doi.org/10.1007/s10589-012-9492-9.