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Background of the problem (II)

a) Price linkage (PL)

- i. A common exchange rate is maintained (Brennan, 1990).
- ii. In case of PL, greater changes in nominal assessment currency, smaller changes in real currency (Brennan et al., 1990).
- iii. Central bank of a PL regime (Brennan, 1990).
- iv. The above is apparent PL situation in the aggregate.





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Project Manager













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Summary

- The critical importance of reliability for today's e-industry
- The need for a non-contact measurement technique to measure current and voltage in a wide range of frequencies
- Current reconstruction from magnetic field using:
 - Spherical harmonic expansion to handle 3D effects
 - Tikhonov regularization to handle the ill-posed problem
- Cramer-Rao lower bound of inverse problem
- Advantages:
 - Flexibility and mobility in measurement
 - Measuring high frequency currents
 - Measurement does not affect on the operation system

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