Appendix A

List of abbreviations

- bR - bacteriorhodopsin
- EADS - evolution associated difference spectra
- Escherichia coli - E. coli
- ES - excited state
- FTIR - Fourier transform infrared
- GSI - ground state intermediate
- GS - ground state
- KIE - kinetic isotope effect
- MD - molecular dynamics
- NMR - nuclear magnetic resonance
- OD - optical density
- pCa - p-coumaric acid
- pR - proteorhodopsin
- PDP - pump-dump-probe
- PES - potential energy surface
• PP - pump-probe
• PYP - photoactive yellow protein
• RMSD - root mean square deviation
• SADS - species associated difference spectra
• SE - stimulated emission
• VIS - visible
Bibliography


Nawoord

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