Análisis de la herramienta TLA+ Proof System

Pablo Celayes, Giovanni Rescia, and Ariel Wolfmann

Facultad de Matemática, Astronomía y Física Universidad Nacional de Córdoba

Resumen Agente: Cuando yo le diga hola señor Thompson, usted dice,

hola

Homero: ¡Bien!

Agente: ¡¡Hola señor Thompson!!

Homero:

Agente: ¡¡Recuerde!! ¡su nombre ahora es Homero Thompson!

Homero: ¡¡Enterado!!

Agente: ¡¡Hola señor Thompson!!

Homero: (al otro agente);¡Creo que le habla a usted!!!. . . .

Keywords: model checking, proof system, recibirse

- 1. Contexto de creación de la herramienta
- 2. Objetivo de la herramienta
- 3. Descripción de la herramienta del lado del usuario
- 4. Aspectos técnicos de la herramienta
- 5. Casos de estudio (exitosos o no) de la herramienta
- 6. Comparación con otras herramientas
- 7. Caso de estudio elegido
- 8. Conclusiones particulares

Referencias

- Clarke, F., Ekeland, I.: Nonlinear oscillations and boundary-value problems for Hamiltonian systems. Arch. Rat. Mech. Anal. 78, 315–333 (1982)
- Clarke, F., Ekeland, I.: Solutions périodiques, du période donnée, des équations hamiltoniennes. Note CRAS Paris 287, 1013–1015 (1978)
- 3. Michalek, R., Tarantello, G.: Subharmonic solutions with prescribed minimal period for nonautonomous Hamiltonian systems. J. Diff. Eq. 72, 28–55 (1988)
- 4. Tarantello, G.: Subharmonic solutions for Hamiltonian systems via a \mathbb{Z}_p pseudoindex theory. Annali di Matematica Pura (to appear)
- 5. Rabinowitz, P.: On subharmonic solutions of a Hamiltonian system. Comm. Pure Appl. Math. 33, 609–633 (1980)

Subject Index

Absorption 327 Brillouin-Wigner perturbation Absorption of radiation 289-292, 299, 203 Cathode rays 8 Actinides 244 Aharonov-Bohm effect 142–146 Causality 357–359 Center-of-mass frame 232, 274, 338 Angular momentum 101–112 Central potential 113-135, 303-314 - algebraic treatment 391–396 Centrifugal potential 115–116, 323 Angular momentum addition 185–193 Characteristic function 33 Angular momentum commutation relations 101 Clebsch-Gordan coefficients 191–193 Angular momentum quantization 9-10, Cold emission 88 Combination principle, Ritz's 124 104 - 106Commutation relations 27, 44, 353, 391 Angular momentum states 107, 321, Commutator 21-22, 27, 44, 344 391 - 396Compatibility of measurements 99 Antiquark 83 Complete orthonormal set 31, 40, 160, α -rays 101–103 8-10, 219-249, 327 Atomic theory Average value Complete orthonormal system, see Complete orthonormal set (see also Expectation value) 15–16, 25, 34, 37, 357 Complete set of observables, see Complete set of operators Baker-Hausdorff formula Balmer formula 8 Eigenfunction 34, 46, 344–346 Balmer series 125 - radial 321 Baryon 220, 224 -- calculation 322 - 324Basis 98 EPR argument 377–378 Basis system 164, 376 Exchange term 228, 231, 237, 241, 268, Bell inequality 379–381, 382 Bessel functions 201, 313, 337 - spherical 304-306, 309, 313-314, 322 f-sum rule 302 Bound state 73-74, 78-79, 116-118, 202, Fermi energy 267, 273, 306, 348, 351 Boundary conditions H₂⁺ molecule 26 59, 70 Half-life 65 Bra 159 Breit-Wigner formula 80, 84, 332 Holzwarth energies