

<< Short-Bio >>

Prof. Hee-Joong Yun

Physics Professor Lifetime Emeritus at Mokwon University

Senior Research Fellow at Korean Institute of Science and Technology Information(KISTI)



Hee-Joong Yun was born at Kochang, Korea in 1941. He received the B.S degree in physics from the Kongju National Teachers College, Korea, in 1962, and the M.S. and Ph. D. degrees in Applied Physics from the Yonsei University at Seoul, Korea, in 1983 and 1988, respectively. In 1984 he joined the Department of Physics, Mokwon University as an Assistant Professor and became a Professor in 1987. From 1996 to 1997 he has been Visiting Professor of the Condensed Matter Laboratory in the University of Colorado at Boulder. His recent works have been performed in the field of applied physics: calculation of the temperature profiles on the multilayer structure in MATHEMATICA, Hall effects and giant magnetoresistance of the metal oxide, and MATHEMATICA platforms of the polarization modes of electromagnetic waves.

He was retired on February 2007 from Mokwon University, then inducted to the Physics Professor Lifetime Emeritus at the Mokwon University in March 2007. He also work at the Korean Institute of Science and Technology Information (KISTI) as a senior research fellow, where he reviews and analyzes the latest science and technical papers (PRB, PRV, RMP, Sensors, etc.) every month for students or researchers through the ReSEAT program of KISTI. While at KISTI, Prof. Yun has given hundreds of reviewed papers, several tens of reports, several new MATHEMATICA platforms for the universities to assist students or researchers. home page: <http://home.mokwon.ac.kr/~heejy/>

Education

- 1983.8- 1988.2 Ph.D. in Applied Physics at Yonsei University, Seoul, Korea
- 1981.8- 1983.8 M.S in Applied Physics at Yonsei University, Seoul, Korea
- 1958.4- 1962.2 B.S in Physics at Kongju National Teachers College, Kongju, Korea

Experience

- 2008.3 -present Senior Research Fellow, Korean Institute of Science and Technology Information(KISTI)
- 2007.3 -present Physics Professor Lifetime Emeritus at Mokwon University
- 1987.10 -2007.2 Physics Professor, Department of Physics at Mokwon University

2000.2 -2002.1 Dean, Natural Sciences College at Mokwon University
 2000.2 -2002.1 Editor in Chief, The Journal of Mokwon Natural Science,
 reformed newly journal adopted to the ftTex-0.5 format since Vol.9(2)
 1998.3 -2000.2 Director, the Mokwon Natual Sciences Institute
 1991.6 -1993.5 Collaborate with Inter-Univ Semiconductor Research Center at Seoul National University
 1997.5 -1997.6 Photoemission Experiment at the 130 BL 5-3 SSRL of Stanford University
 1996.7 -1997.6 Visiting Professor, Condensed Matter Laboratory of Department of Physics,
 University of Colorado at Boulder
 1984.9 -1987.9 Joined the Department of Physics of Mokwon University as an Assistant Professor
 1966.3 -1982.4 Worked as a physics teacher of(Joolpo, Jeongeup, Jeonju girl's, Goonsan)high schools
 1963.6- 1965.9 Served at the 1st Division of ROK Marine Corps

□ Talks on the Conferences and Physical Society

- Apr 20 2017: *Vectorial platform for manipulating the polarization mode train realized with Jones vectors in MATHEMATICA*” at The Korean Space Science Society 2017 Spring Meeting, II-3-2, at Byeunsan, Korea.
- Apr 20 2017: *Vectorial platform for manipulating the polarization mode train realized with Jones vectors in MATHEMATICA*” at Korean Physics Society 2017 Spring Meeting, C9.04, at DCC, Daejeon.
- Oct 20 2016: *Vectorial platform for manipulating the polarization mode train realized with Jones vectors in MATHEMATICA*” at Wolfram Technology Conference 2016, Champaign, IL, <http://www.wolfram.com.events/technology-conference/2016/presentations/#thursday>.
- Jun 23, 2016: *Vectorial Platform for Manipulating the Polarization Mode Train Realized with Jones in MATHEMATICA*, at MATHEMATICA Korean User Conference 2016, Korea University, Seoul.
- Apr 22, 2015: *Dynamic polarization modes manipulating platform realized with Jones vectors in MATHEMATICA*, at KPS Spring Conference 2015, DCC Daejeon, KPS Bull. 33(1), p3-018(2015).
- Apr 23, 2014: *Dynamic platform presenting waves through the polarizers and wave plates realized with Jones vectors in MATHEMATICA*, at KPS Spring Conference 2014, DCC Daejeon IG-03(2014).
- Oct 19, 2011: *Electromagnetic Vector Fields Simulations with MATHEMATICA*, KPS 2011 Fall Conference, Busan BEXCO (2011).
- Apr 23, 2007: *Visualizing Electromagnetic Vector Fields in the Matter*, MATHEMATICA User Conference Seoul 2007 Trade Center, Seoul(2014).
- Oct 12, 2006: *Mathematica applications for tensor analysis in physics classes*, at Wolfram Technology Conference 2006, Champaign, IL. <http://library.wolfram.com/infocenter/Conference/6466>.
- Oct 19, 2006: *Tensor application to enhance the completeness of undergraduate physics lectures*, at KPS Fall Conference 2006, Daegu EXCO, Daegu, G-08, KPS Bull 24(2) p.399(2006).
- Apr 23, 2004: *Visualizing vector fields with with MATHEMATICA*, at KPS Spring Conference 2004, Sungkyunkwan University, Seoul, G-06, KPS Bull 22(1), p.188(2004).
- Apr 23, 2004: *Coordinates transformation with MATHEMATICA*, at KPS Spring Conference 2004, Sungkyunkwan University, Seoul, G-P008, KPS Bull 22(1), p.191(2004).

- Apr 25, 2003: *RLC circuit analysis with MATHEMATICA*, at KPS Spring Conference 2003, Yonsei University, Seoul, G-06(2003).
- Apr 27,2001: *Including graphics files in the LaTeX2e documents on the KPSTEX2-beta environment of the fpTeX-0.4/HLATEX-0.991*, at KPS Spring Conference 2001, Kyung Hee University, Seoul, G-P002(2001).
- Oct 19,2001: *New interactive teaching and learning program using MATHEMATICA*, KPS 2001 Fall Conference, Chunnam University, Kwangju, G-P001(2001).
- Oct 27,2000: *Calculation of vertical temperature distribution in multilayer structure using MATHEMATICA*, at KPS Fall Conference 2000, POSTECH, Pohang, Ea-P069(2000).

□ Reports of the Research and ReSEAT Program

1. Hee-Joong Yun, *Vectorial Platform for Manipulating the Polarization Mode Train Realized with Jones Vectors in Mathematica* , ReSEAT 2016-12-13.
2. Hee-Joong Yun, *Urban small wind power turbines generating green power*, ReSEAT 2016-12-13.
3. Hee-Joong Yun, *Urban wind power generation*, ReSEAT 2015-12-14.
4. Hee-Joong Yun, *Hacking impossible quantum cryptographic information communication system*, ReSEAT 2014-12-29.
5. Hee-Joong Yun, *Mathematica platform and its application for polarization modes with Jones vectors*, ReSEAT 2014-12-26.
6. Hee-Joong Yun, *Mathematica platform and its application for presentation of Coriolis force in the noninertial frame of reference* , ReSEAT 2013-09-30.
7. Hee-Joong Yun, *Graphen semiconductor device technology*, ReSEAT 2013-01-11.
8. Hee-Joong Yun, *Simulation of dynamic visualization of polarization wave propagation mode*, ReSEAT 2013-01-07.
9. Hee-Joong Yun, *Terahertz wave application technology*, ReSEAT 2012-12-06.
10. Hee-Joong Yun, *Electromagnetic vector field simulation using MATHEMATICA*, ReSEAT 2011-12-16.
11. Hee-Joong Yun, SukJun Park, *Graphene Research and Application Technology Trends*, ReSEAT 2010-09-14.
12. Hee-Joong Yun, SukJun Park, Chul - Ro Yu, Bae - Deok Yang, Jae - Kyun Kim, *The elderly welfare policy using smart home technology*, ReSEAT 2010-09-14.
13. Hee-Joong Yun, SukJun Park, Chul - Ro Yu, *Efficient power system for solar power generation*, ReSEAT 2010-03-17.
14. Hee-Joong Yun, SukJun Park, Chul - Ro Yu and Park Jun Park , *Efficiency of solar cell power generation based technology and general dissemination plan*, ReSEAT 2009-01-05.
15. Hee-Joong Yun, *Recrystallization of silicon layer using CW Nd: YAG laser (1.06 μ m)*, Ministry of Education, Science and Research Funds ISRC-93-E-1207 (1993).

16. Jong Deok, Hong Bong Sik, Kwon Sang Jik, and Hee-Joong Yun, *Study of Microstructure of Silicon*, Ministry of Education, Science and Research Funds ISRC-93-E-1200 (1993).
17. Hee-Joong Yun, *Crystallization effect of polycrystal silicon layer on SiO₂ film by CW Nd:YAG laser irradiation*, Ministry of Education, Science and Research Funds ISRC-92-E-0062(1992).
18. Gang Hyun Sik, Shin Youngjin, Choi Yong Dae, and Hee-Joong Yun, *CdTe solar cell fabrication and its characteristics using single crystal and thin film semiconductors*, Ministry of Dynamic Resources 911B201-307FG (1992).
- † Access ReSEAT reports at <http://www.reseat.re.kr/mydesk/spread.st>

□ **Professional Membership**

- 2016 -present Member of The Korean Society of New & Renewable Energy(KSNRE)
 2015 -present Member of The Korean Institute of Electromagnet Engineering and Science(KIEES)
 2014 -present Member of The Korean Space Science Society(KSSS)
 1983 -present Member of The Korean Physical Society(KPS)
 1983 -present Member of The Korean Vacuum Society(KVS)
 1990 -present Member of American Physics Society(APS)
 1990 -present Member of The Optical Society(OSA)
 1990 -present Member of Materials Research Society(MRS)

□ **Awards**

- 2007.2.28 Award the Order of Service Merit, Yellow Stripe from the ROK Government
 1981.1.24 Received the Commendation in the Broadcasting Division at the 61st National Sports Games
 1980.7.30 Excellence Award, 26th Korea Science Exhibition from Cheonbuk Provincial Superintendent
 1980.2.20 Awarded Honorable Teacher from Cheonbuk Provincial Superintendent
 1965.9.30 Awarded the Best Completion at the ROK Marine Corps Recruits Training Camp

□ ☺ A snapshot of the **jdppm** Platform for Manipulating Polarization Modes

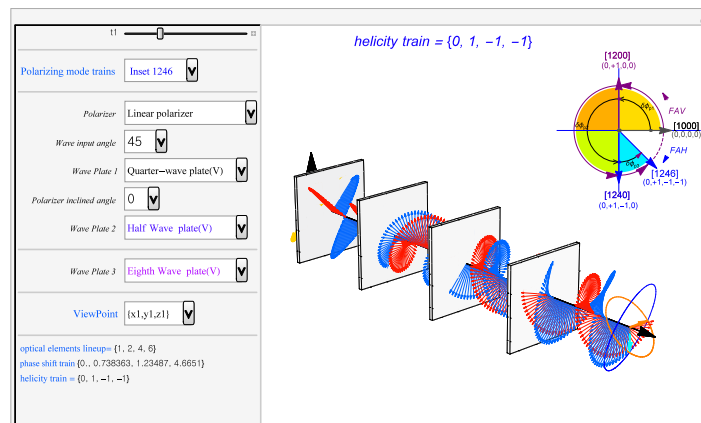


Fig. 1. Vectorial Platform for Manipulating the Polarization Mode Train Realized with Jones Vectors in MATHEMATICA, presented at the Wolfram Technology Conference 2006, Champaign IL, Oct 20, 2016 [6].

⊕ heejy's programs and portfolios

| Program | Language | Description | Ref |
|-------------------|----------|--|--------|
| HALL.BAS | QBASIC | Hall Effect measure program(manual) | [50] |
| AHALL.BAS | QBASIC | Hall Effect measure program(auto) | [50] |
| CSC Package | QBASIC | College Score Crunch for professor | [20] |
| GSI | QBASIC | Nd:YAG laser auto scanning program | [49] |
| TMODERS | QBASIC | Sheet Resistivity measuring program | [47] |
| PSiyc2.PAS | T.PASCAL | Carrier Concentration measuring program | [42] |
| TrTemp.PAS | T.PASCAL | Multilayer temperature measurements simulation | [42] |
| heejyL2.nb | nb | Multilayer temperature measurements simulation | [42] |
| projectile.nb | nb | 3-D Projectile motion simulation | [30] |
| RLC.nb | nb | RLC circuit analysis simulation | [25] |
| circuits.nb | nb | Kirchhoff's Law circuit simulation | [29] |
| facaultpd.nb | nb | Foucault pendulum simulation | [28] |
| ellips.nb | nb | Planets orbit simulation | [29] |
| schrodinger.nb | nb | Schrodinger eqs simulation | [29] |
| epsilontest.nb | nb | Epsilon,Precision,Accuracy Test program | [29] |
| VectorField.nb | nb | Vector field visualization platform | [2,22] |
| Coordinates.nb | nb | Coordinate transform simulation | [19] |
| vectorcal.nb | nb | Vector calculation simulation | [19] |
| Coriolis.nb | nb | Coriolis force simulation | [16] |
| hanimation82.nb | nb | North hemispher Coriolis force animation | [16] |
| hanimation86.nb | nb | South hemispher Coriolis force animation | [16] |
| tensoranalysis.nb | nb | Tensor calculations simulation | [15] |
| treitz.nb | nb | Field tensor simulation of Reitz's text | [15] |
| tjackson.nb | nb | Field tensor simulation of Jackson's text | [3,14] |
| whiskbroom.nb | nb | Whiskbroom field snapshot simulation | [1,14] |
| nonrel.nb | nb | Non-inertial frame of references motion simulation | [14] |
| EMch22new.nb | nb | Field tensor analysis simulations | [3,14] |
| wnature.tex | TeX | Natural Science World, TeX editing program | [18] |
| mins.tex | TeX | Mokwon Nat. Sci. Inst. TeX editing program | [32] |
| wnature.pdf | PDF | fpTeX/HLaTeX install manual | [32] |
| dppv52.nb | nb | Dynamic Polarization Modes(v.1) | [12] |
| hdpp.nb | nb | Dynamic Polarization Modes Platform(v.2) | [11] |
| jdmpV7C.nb | nb | Dynamic Polarization Modes Platform-2train(v.4) | [7] |
| jdmp3tv6.nb | nb | Dynamic Polarization Modes Platform-3train(v.6) | [7] |
| jdmp4tv10.nb | nb | Dynamic Polarization Modes Platform-4train(v.10) | [4] |
| hcoriolis.nb | nb | 3-Cell model of Coriolis force platform | [9] |
| hcoriolis.nb | cdf | 3-Cell model of Coriolis force platform | [9] |
| whiskbroomdp.nb | nb | Whiskbroom dynamic platform | [1,14] |
| relbook2006.pdf | PDF | Portfolio of the special relativity | [59] |
| Math4EM.nb | nb | Portfolio of the E&M with Mathematica | [59] |
| Math4Physics.nb | nb | Portfolio of Mathematica for Physicists | [59] |

Table 1. Developed programs for teaching and learning in excellence physics study or research projects.

□ Books

Hee-Joong Yun et al., Basic Experiments in Physics , Ewoo, Seoul, 1987.

Hee-Joong Yun et al., General Physics, Ewoo, Seoul, 2004.

Hee-Joong Yun, Mathematica for Physics, Mokwon Univ., Daejeon, 1997.

Hee-Joong Yun, William Hamilton Shaw who loved Korea more than a Korea, Ehwa, Daejeon, 2010.

□ Published Papers

- [1] Hee-Joong Yun, *Creating and Transforming a Second-Rank Antisymmetric Field-Strength Tensor $F^{\alpha\beta}$* , J. Computing Physics, submitted (2019.6.2).
- [2] Yong-Dae Choi and Hee-Joong Yun, *Visualizing Electromagnetic Vector Fields in Matter using MATHEMATICA*, Applied Science and Convergence Technology **28**(3),pp.66-78(2019).<https://doi.org/10.5757/ASCT.2019.28.3.66>.
- [3] Yong-Dae Choi and Hee-Joong Yun, *Vector Field Platform for Visualizing Electric and Magnetic Fields in Matter using MATHEMATICA*, J. Korean Phys. Soc. **74**(6), pp.530-541(2019). pISSN:0374-4884/eISSN:1976-8524.
- [4] Hee-Joong Yun, *Green Power Generation with Urban Small-Scale Wind Turbines, New Physics:Sae Mulli* **66**(9),1190(2016). <http://dx.doi.org/10.3948/NPSM.66.1190>.
- [5] Tae Wan Kim and Hee-Joong Yun, *Vectorial Platform for Manipulating the Polarization Mode Train Realized with Jones Vectors in MATHEMATICA*, J. Korean Phys. Soc. **69**(5), 697(2016). DOI:10.3938/jkps.69.697.
- [6] Hee-Joong Yun, *Vectorial platform for manipulating the polarization mode train realized with Jones vectors in MATHEMATICA” at Wolfram Technology Conference 2016, Champaign, IL, <http://www.wolfram.com.events/technology-conference/2016/presentations/#thursday>*
- [7] Yong-Dae Choi, Bogyong Kim and Hee-Joong Yun, *Platform for manipulating polarization mode realized with Jones vectors in MATHEMATICA*, J. Astron. Space Sci. **32**(2), 151(2015). <http://dx.doi.org/10.5140/JASS.2015.32.2.151>.
- [8] Yong-Dae Choi and Hee-Joong Yun, *Vectorial Polarization Modes Realized with Jones vectors in MATHEMATICA*, J. Korean Phys. Soc. **67**(5), 63(2015). 792(2015). DOI:10.3938/jkps.67.792.
- [9] Bogyong Kim, Yu Yi and Hee-Joong Yun, *Dynamic Mathematica Platform for the Coriolis Effects on the Global Atmospheric Circulations of the 3-Cell Model*, New Physics:SaeMulli, **64**(6), 610(2014). DOI: 10.3938/NPSM.64.610.
- [10] Bogyong Kim and Hee-Joong Yun, *Pedagogical Mathematica Platform Visualizing the Coriolis Effects in 3-Cell Atmospheric Circular Model*, J. Astron. Space Sci.**31**(1), 91(2014).<http://dx.doi.org/10.5140/JASS.2014.31.1.91>.
- [11] Hee-Joong Yun and Yong-Dae Choi, *Dynamic Polarization Mathematica Platform Realized with Poynting Vectors*, New Physics:SaeMulli, **63**(10), 1118(2013). DOI: 10.3938/NPSM.63.1118.
- [12] Yong-Dae Choi and Hee-Joong Yun, *Electromagnetic Vector Fields Simulation with MATHEMATICA*, J. Korean Vacuum Soc. **21**(2), 69(2012). <http://dx.doi.org/10.5757/JKVS.2012.21.2.69>.

- [13] Hee-Joong Yun and Sukjun Park, *Newly Written Physics for Graphene*, New Physics:SaeMulli, **62**(2), 1229(2012). DOI:10.3938/NPSM.62.1229.
- [14] Hee-Joong Yun, *Mathematica Simulation for Creating and Transforming of Second-Rank Antisymmetric Field_Strength Tensor $F^{\alpha\beta}$* , New Physics:SaeMulli, **53**(6), 452(2006).
- [15] Hee-Joong Yun, *Mathematica Simulations for the Tensor Analysis and Manipulations in Minkowski Space*, New Physics:SaeMulli, **53**(4), 309(2006).
- [16] Hee-Joong Yun, *Mathematica Simulations for the Analysis to the Coriolis Force in a Non-Inertial Frame of Reference*, New Physics:SaeMulli, **52**(2), 87(2006).
- [17] Hee-Joong Yun, *Mathematica Applications for Tensor Analysis in Physics*, presented at the Wolfram Technical Conference 2006, Champaign, IL, <http://library.wolfram.com/infocenter/Conferences/6466/>.
- [18] Hee-Joong Yun, *How to introduce and utilize fpTeX-0.5 / HLaTeX-0.991 system that provides perfect scientific papers*, Natural Science World, **1**(3), 31(2005).
- [19] Hee-Joong Yun, *Interactive Vector Analysis and Coordinates Manipulation with MATHEMATICA*, New Physics:SaeMulli, **50**(3), 134(2005).
- [20] Hee-Joong Yun, *Teaching and Learning Evaluation using CSC*, J. Mokwon Institute of Science & Technology, **14**(1), 5(2005).
- [21] Hee-Joong Yun, *Tensor Application in Physics Class with MATHEMATICA*, J. Mokwon Institute of Science & Technology, **13**(2), 135(2004).
- [22] Hee-Joong Yun, *Interactive Vector Analysis and Coordinates Manipulation with MATHEMATICA*, J. Mokwon Institute of Science & Technology, **13**(2), 121(2004).
- [23] Young-Moon Yu, Ki-Seon, Lee, Byung-sung O, Pyeong Yeoul Yu, Chang-Soo Kim, Yong Dae Choi and Hee-Joong Yun, *Growth and Characterization of cubic CdS epilayers on GaAs substrates*, J. Vac. Sci. Technol. A **22**(2), 324(2004).
- [24] Hee-Joong Yun, *Visualizing Electromagnetic Fields in the Matter*, J. Mokwon Institute of Science & Technology, **12**(1), 151(2003).
- [25] Hee-Joong Yun, *A Series RLC ac Circuit Analysis with MATHEMATICA*, New Physics:SaeMulli, **46**(5), 249(2003).
- [26] Hee-Joong Yun, *Numerical simulation of vertical temperature distribution in heterogeneous multilayer structure with Mathematica*, Applied Surface Science, **214**, 312(2003).
- [27] Hee-Joong Yun, *Including Graphic Files in the LaTeX2e Documents on the KPSTeX2-beta Environment of the $\text{fpTeX} - 0.4/\text{HLaTeX} - 0.991$ System*, New Physics:SaeMulli, **43**(2), 57(2001).
- [28] Hee-Joong Yun, *Use of New Interactive Learning Courseware with MATHEMATICA*, New Physics:SaeMulli, **43**(5), 261(2001).
- [29] Hee-Joong Yun, *Application of the Use of New Interactive Learning Courseware with Mathematica (apply to the Kirchhoff's Law calculation)*, J. Mokwon Institute of Science & Technology, **10**(2), 55(2001).
- [30] Jongyeup Park Hee-Joong Yun, *3D motion simulation of projectile with MATHEMATICA*, J. Mokwon Institute of Science & Technology, **10**(2), 89(2001).

- [31] Hee-Joong Yun, *Visualization of abstract concepts in physics with MATHEMATICA*, J. Mokwon Institute of Science & Technology, **9**(1), 25(2000).
- [32] Wansu Han, Jonghee Kim and Hee-Joong Yun, *Including Graphic Files in the PDFLaTeX documents of the fpTeX – 0.4/HLaTeX – 0.991 System*, J. Mokwon Institute of Science & Technology, **9**(2), 31(2000).
- [33] Hee-Joong Yun, *Calculation of vertical temperature distribution in multilayer structure using MATHEMATICA*, J. Mokwon Institute of Science & Technology, **8**(2), 19(1999).
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- [35] S. Nam, Y.-M. Yu, C.-K. Lee, Byungsung O, K.-S. Lee, Y. D. Choi, H. J. Yun, Y.-J. Jung, and C. S. Kim, *Growth and Optical Properties of ZnS_{1-x}Te_x Epilayers by Hot-Wall Epitaxy*, Inst.Phys.Conf.Ser. No **162**, 711(1999).
- [36] Sungun Nam, Jongkwang Rhee, Young-Moon Yu, Byungsung O, Ki-seon Lee, Y.D. Choi, H.J. Yun, Changsoo Kim and Yang-June Jung, *Photoluminescence and optimum growth condition of high quality ZnS epitaxial layers*, Mat.Res.Soc.Symp.Proc. Vol. **487**, 485(1998).
- [37] Hee-Joong Yun, *Calculation of the Temperature Distribution on the Polycrystalline Silicon Layer in a Poly-Si/SiO₂/Si Structure by Using a Scanning cw Nd:YAG(1.06μm)Laser Beam*, Ungyong Mulli(The Korean Physical Society) Vol. **11**(5), 649(1998).
- [38] Sungun Nam, Jongkwang Rhee, Byungsung O, Ki-seon Lee, Yong Dae Choi, Hee-Joong Yun, *Free-Exciton Luminescence and Strain Effect of High-Quality ZnS/GaAs Epilayers*, JKPS **32**(2), 156-161(1998).
- [39] Hee-Joong Yun, *Resource Value and Availability of the Wetlands*, J. Mokwon Institute of Science & Technology, **7**, 119(1998).
- [40] Sungun Nam, Jongkwang Rhee, Byungsung O, Ki-seon Lee, Yong Dae Choi, Hee-Joong Yun, Gyung-Nam Jeon and Choon-Ho Lee, *Growth and characteristics of ZnTe epilayers grown by Hot-Wall epitaxy*, Korean Appl.Phys. **10**(2), 140(1997).
- [41] Sungun Nam, Jongkwang Rhee, Jung-Hyo Jung, Yong-Moon Yu, Byungsung O, Ki-seon Lee, Yong Dae Choi, Hee-Joong Yun, Yang-June Jung, and J. B. Kim, *Strain effect as a function of the substrate temperature of ZnTe/GaAs(100) epilayers*, Sae Mulli(The Korean Physical Society) **37**(6), 493(1997).
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- [43] Han Yull Hwang, Tae Soon Park, Kyung Hwa Kim, Woo Ju Jeoun, Pil Jae Oh, Min Kie Lee, Kun Ho Han and Hee-Joong Yun, *An improved method of corelation counting using a bi-dimentional data acquisition system*, Nucl.Inst & Meth. **A 369**, 363(1996).
- [44] Tae Soon Park, Pil Jae Oh, Min Kie Lee, Kyung Hwa Kim, Woo Ju Jeoun, Kun Ho Han, Hee-Joong Yun and Han Yull Hwang, *Development of a Bi-Dimensional coincidence counting system and application to the coincidence measurement*, Korean Appl.Phys. **8**(3), 311(1995).
- [45] Pil Jae Oh, Tae Soon Park, Min Kie Lee, Kyung Hwa Kim, Seung Ai Shin, Hee-Joong Yun and Han Yull Hwang, *On intercomparison of the activity measurement for 60 C nuclide*, New Physics **35**(5), 598(1995).

- [46] Hee-Joong Yun, *Entropy Law and World View*, J. Mokwon Institute of Science & Technology, **3**(1), 95(1994).
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- [48] Ki-Seog Kim, No-Gill Park, Youn-Wook Kim, Chung-Nam Whang, Sung-Soo Kim, Hee-Joong Yun, and Dae-Sun Choi, *The Validity and its Application of a Universal Relationship for Determination of Critical Angle in Coaxial Impact Collision Ion Scattering Spectroscopy Experiment*, Korean Appl. Phys. **6**(3), 205(1993).
- [49] H. J. Yun, *cw Nd:YAG Laser (1.06 μ m) Annealing Effects of As⁺ Implanted Silicon*, Korean Appl. Phys. **6**(1), 88(1993).
- [50] H. J. Yun, Y. D. Choi, D. S. Ko, H. Y. Hwang, *A Computer Controlled Automatic System for Measuring Hall Effects in Semiconductors*, Korean Appl. Phys. **5**(4), 348(1992).
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- [52] Dong Seup Koh and Hee-Joong Yun, *Annealing Effect of CO₂ laser beam of ion implanted silicon*, J. Mokwon Institute of Science & Technology, **21**, 83(1992).
- [53] Hee-Joong Yun, *Recrystallization Effects in SOI scanned by cw Laser*, Ph.D. dissertation, Yonsei University at Seoul, 1988.
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- [55] Y. K. Koh, H. J. Yun, D. S. You, W.G. Choi and K.S. Moon, *A Study on Time Resolved Optical Interference Measurement for Si Wafer during cw Ar Laser Annealing of SOS*, Yonsei Nonchong **23**, 181(1986).
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- [57] T. W. Kim, H. J. Yun, M. K. Kim and Y. K. Koh, *A Study on Laser Annealing Effects on a Si-Insulator-a.Si Device*, New Phys. **23**, 400(1983).
- [58] D. S. Yum, B. S. Choi, D. S. Yu, H. J. Yun and Y. K. Koh, *Hydrogen Bonding and Photoconductivity Characteristic of rf Glow Discharge Produced a-Si:H Film*, New Phys. **24**, 131(1984).
- [59] programs available with a password "mathematica": <http://www.heejy.site/helicity.html>.

♠ This Short-Bio was produced with *fpTeX - 0.5/ReVTeX4*. ♠

† updated June 15, 2019