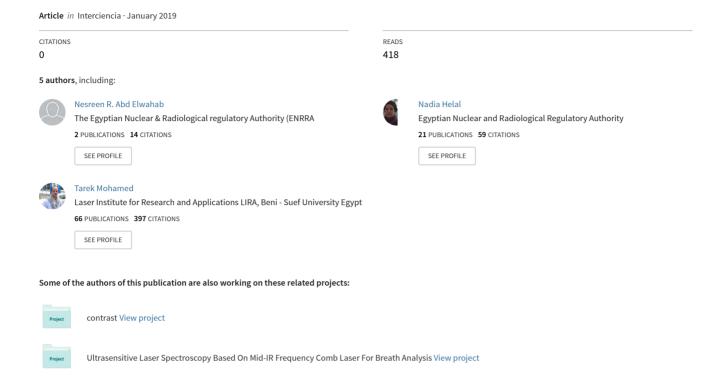
## Calculation of Fast neutron Removal Cross-section and Gamma ray Attenuation for New composite Paste Shields



# Doland Hast neutron Removal Cross-section and Gamma ray

Mobile: 07534564ttenuation.hfor/Newlinemposite/Posite Bhields.@docx.com

Address: 58 Elm Avenue, Kent ME4 6ER, UK

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Education Suclear & Radiological regulatory Authority (ENRRA), Nasr City, Cairo, Egypt <sup>2</sup>Department of Physics, Faculty of Science, Reni-Suef University, Egypt

University College Lungitute for Research and Applications LIRA, Beni-Suef University, Beni-Suef 62512 62512622013 Computer Science - Master of Science Bioghysics, Faculty of Science, Cairo University, Egypt

Exam Results: 1st Class with Distinction, Dissertation: 1st Class with Distinction

Releva hostract ava and C# Programming, Software Engineering, Artificial Intelligence, Computational Photography, Algorithmicsk, Aushitecture and Handware ay shield attenuation parameters have been calculated Create do Windows 8 canonista va Satisfied with sissertal interest concentrations of high-density polyethylene Create (HID PE pedravious) ED presence price and the computer program WinXCom has been Imperial Olega Luandone total mass attenuation coefficients ( $\mu/\rho$ ) for gamma rays at energies f20090.2012  $\textit{Material Spience and Engineering of the law in the properties of the law in th$ Exam Results each In Placestate or 1856 each with Pirting to Inposites. The obtained results are used to calculate Relevant courses: C. Programming, Mathematics and Business for Engineers lated results were compared with

experimental results and with all available concrete shields in literature. A reasonable agreements are EXIDEMILE INCIDENTIAL INCIDENTAL PROPERTY IN THE PROPERTY IN T on dose rate reduction and has higher radiation attenuation parameters for neutron and gamma rays. In

BlackRddkion, this composite has the lowest thickness over all available shields, which Nov c2017 on Present Associaten Softsitarea David opare 89 % of neutrons and gamma rays.

Full-stack developer working with Angular and Java. Working for the iShares platform

Torch Maxwords: Mass attenuation coefficients; Effective removal cross-ecotions NHigh17 Softwade Desire/operlyethylene; Borax; Composite paste.

Full-stack developer working with Angular, Node and TypeScript. Working for the iShares platform. Emphasis on Dev-ops and developing the continous integration pipeline. **Soundmouse** 

Mar. 2015 - Oct. 2016

Software Develophe shield design for neutrons and gamma rays are of the most important one Used ASP.NET MVC 5 to produce a diversity data collection tool for the future of British television. Used Angulars and Carbest practices. Technologies used include Javascript, ASP. NET MVC 5, SOL, Oracle, SASS, attenuate, other radiations. In the last few years, several studies have been devoted to Sounddownstop the shielding materials by changing the properties of different and a right [2014] Java Developere neutrons and gamma rays interaction with matters is reasonably well Development of the platform of considering for considering the profile clients on largely unknown physical Created a log analysis web application with the Play Framework in Java, incorporating Test Driven. Sections of Linear attenuation coefficient (u.cm.) is the Development it asynchronously uploads and processes large (2 GB) log files, and outputs meaningful results in context was represented in the play framework in Java, incorporating Test Driven. Sections of Linear attenuation coefficient (u.cm.) is the Development it asynchronously uploads and processes large (2 GB) log files, and outputs meaningful results in context was represented in the play framework in Java, incorporating Test Driven. Analysthrougheshiolding. Sincepayahde penels out atheudensity (per anchithe physical betated out the severals then the company with as Waimora Eaby  $\Delta S$  is a Labrana are the confining and the confining  $\Delta S$ Lewis and others by iate the effects of variations in the material density [7]. Several theoretical Technologies used include WebSphere Commerce, Java, JavaScript and JSP and experimental studies are performed to obtain  $(\mu/\rho)$  for elements, mixtures

For the construction of neutron shielding system, hydrogenous material mixed Skills with boron material should be used to moderate fast neutrons through elastic scattering process and that is necessary for enhancing neutrons reaction  ${}^{10}B_5$  (n,  $\alpha$ ) Angular Typescript Javr Script Medel S. particles average [18-19]. For this reason, materials

#### **Achievements**

**Oracle Certified Expert** 

#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

Donating Mobile used often in neutron shields. The effect of the materials is described by the effective removal cross-section Σ<sub>R</sub> (cm<sup>-1</sup>) which means removal from the fast group of it is the probability that a last neutron undergo to the first collision that remove it from the penetrating group, uncollided neutrons [20]. If the shielding contains moderating material, so this removal process will determine the attenuation of neutrons.

University College London Recently many computer programs were developed to calculate  $\Sigma_R$  and  $\mu/\rho$  computer Science - Master of Science (MSC) Exam Requires the interest and interes

Material Stence and Engineering - Bachelor of Engineering (BEng)

Exam Results: 21, Dissertation: 1st Class with Distinction of polyethylene and borax in concrete Relevant courses: C Programming, Mathematics and Business for Engineers. greatly enhanced the shielding efficiency of the concrete as it reduces of gamma rays up to 80% better than unborated concretes [26-30]. Therefore, in the present study, attenuation parameters of gamma rays and fast neutron were calculated theoretically

Black for knew composites paste containing seven different concentrations of chight de pritisent Associated Spotting the Developer) and borax (BX) with cement and sand. The calculated results Full-stack played part working with Angular and Java-Werking for the ishares platform

Full-stackplevelenen warking with Angulavard lavar perfetention the inflates platform Torch Markets

Oct. 2016 - Nov. 2017

ISSN: 0378-1844

Softwan. Defethodology

Full-stack developer working with Angular, Node and TypeScript. Working for the iShares platform. Emphasis on Dev-ops and developing the continous integration pipeline.

Soundmouse The interaction of photons (with intensity I<sub>0</sub>) with the madigms cost. 2016 Softwarder Devidence by three main processes is reasonably well understood. The total Used ASB DEBTIMY 65 the interaction restricted include JavaScript, ASP.NET MVC 5, SQL, Oracle, SASS. Bootstrap. Grunt.

Soundmouse  $I = I_0 e^{-\mu x}$  Mar. 2013 - Oct. 2014 Java Developer Where I is the attenuated photon intensities and x is the shielding thickness. Develop here I is the attenuated photon intensities and x is the shielding thickness.

Created a log analysis web application with the Play Framework in Java, incorporating Test Driven Development. It asynchronously uploads and processes large (2 GB) log files, and outputs meaningful results in context with the postlem interaction coefficients and total mass attenuation coefficients for any Analysiniant development in the transfer of the company such as Waitrose, Tally Weil, DJ Sports, Debenhams, Ann Summers, John Lewis and others.

Technologies used here de wet spheres sodensity jokathav semplenand pwi is the weight fraction ith component. In the compound, the weight fraction of ith element is given by:

Skills, Achievements and later later later (4)

Where,  $a_i$  and  $M_i$  are the number of formula units and atomic weight of the  $i^{th}$  Skillselement. The half-value thickness HVT (cm) and the relaxation length of the photon Angulac Carp Grant Calaborates Notlewing [32]:  $HVL = \frac{Ln \ 2}{(\mu/\rho)\rho}$  and  $\lambda = \frac{1}{(\mu/\rho)\rho}$ 

#### **Achievements**

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#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

Dolan the present work, the calculations were performed for composites (C<sub>1</sub>, C<sub>2</sub>, C<sub>3</sub>, C<sub>4</sub>, C<sub>5</sub>, C<sub>6</sub> and C<sub>7</sub>) containing seven concentration of high density Polyethylene (Mohile: 07534563401 | Linkedin: https://www.linkedin.com/in/dolan1 | Email: docx@docx.com/en/dolan2 | Email: docx@docx.com/en/dolan3 | Email: docx@docx

Computan Science Tables of Science (MSc)

Exam Results: 1st Class with Distinction, Dissertation: 1st Class with Distinction

Relevant Courses: Java and C# Programming, Software Engineering, Artificial Intelligence, Computational Photography, Algrathmics [Acadimentation Hard Made: and BX in seven shielding composite.

Created a Windows 8 gar	me in JavaScript for the Materia	dissertation.	n	ensity	
Created an award winnin		e in C# using XNA.		•	
Imperial College Londo		BX	p(	gcm <sup>-3</sup> )	2009 - 2012
Material Science and En	gineering <sub>s-2</sub> Bachelor of			1.78	
Exam Results: 2:1, Disse					
Relevant courses 2C Prog	ramming,3Mathematics	and Business For Engine	ers.	1.82	
$C_3$	31.25	18.75		1.85	
Experience	25	25		1.90	
BlackRock C <sub>5</sub>	18.75	31.25		1.98	<del>2017 - Pre</del> sent
Associate Software Deve	loper 12.5	37.5		2.06	.or, resciic
Full-stack developer wor	king with <b>@A2§</b> ular and	lava. Wor <b>king f</b> or the iSh	ares platform	2.08	
Torch Markets		1		Oct. 201	6 - Nov. 2017

Software Developer Table 2. Elemental compositions as fraction by weight (%) of the seven paste composites. Full-stack developer working with Angular, Node and TypeScript. Working for the ishares platform. Emphasis

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on D	on Dev-ops and developing the continous integration <b>cipaliposite number</b>									
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		MVC 5 to prod								
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	s, Bo <b>qs</b> strap,	Gr <b>uu</b> E-02	2.03E-02	3.98E-02	5.99E-02	6.74E-02	7.58E-02	7.72E-02		
	idmouse Developer	4.97E-01	4.26E-01	3.52E-01	2.84E-01	2.03E-01	1.42E-01	3 <sub>7.</sub> Act. 201		
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Sk	ills, <b>k</b> Act	neveme	ntsiend	nterest	<b>S</b> .51E-02	1.51E-02	1.51E-02	1.51E-02		
	P	2.81E-02	2.81E-02	2.79E-02	2.81E-02	2.81E-02	2.81E-02	2.81E-02		
Skil	S Ti	4.24E-02	4.24E-02	4.21E-02	4.24E-02	4.24E-02	4.24E-02	4.24E-02		

Angular, TypeScript, JavaScript, NodeJS.

#### **Achievements**

Oracle Certified Expert

#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

## Do labe Milluss attenuation coefficients $\mu/\rho$ for seven samples composite paste.

		34563401   L	inkedin: 11th	nass attenuat	ion coefficie	nts(H/P) £oras	amples@doc	x.com
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1.00	E-02	2.07E+01	1.60E+01	1.75E+01	1.99E+01	2.11E+01	3.08E+01	2.03E+01
Educat	E-02	6.65E+00	5.18E+00	5.67E+00	6.44E+00	6.76E+00	9.62E+00	6.55E+00
University 0	Folloge	L3.00E+00	2.36E+00	2.58E+00	2.91E+00	3.04E+00	4.23E+00	286 <u>5</u> ±9013
Computar 00	Fe 12e -	MaQAF togsc	ie&474491)	9.14E-01	1.02E+00	1.05E+00	1.39E+00	1.03E+00
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Softwar <b>t ID</b>		5.83E-02	6.00E-02	5.98E-02	5.95E-02	5.78E-02	6.13E-02	5.89E-02
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Software Do	rel <b>og</b> er	3.70E-02	3.79E-02	3.78E-02	3.77E-02	3.67E-02	3.76E-02	3.73E-02
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CL: 11.50	E+01 :	1.94E-02	1.88E-02	1.90E-02	1.93E-02	1.95E-02	2.16E-02	1.94E-02
Skill\$.50	E+01	Y.92E-02	9.85E-02	1.87E-02	1.90E-02	1.92E-02	2.15E-02	1.91E-02
1.80	E+01	1.90E-02	1.83E-02	1.85E-02	1.88E-02	1.91E-02	2.14E-02	1.89E-02
Skil s2.001	E+01	1.89E-02	1.81E-02	1.83E-02	1.87E-02	1.90E-02	2.14E-02	1.88E-02

Angular, TypeScript, JavaScript, NodeJS.

## **Achievements**

Oracle Certified Expert

## **Interests**

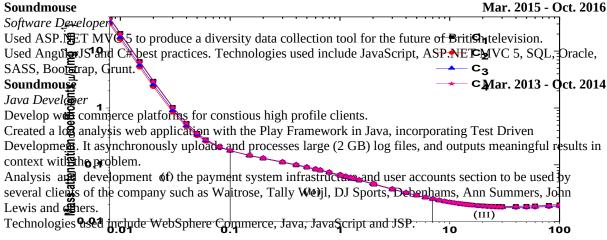
Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

## Dolan (Mill)

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Torco Markets	2.39E-02	2.20E-02	2.24E-02	2.32E-02	2.43E-02	2088.F20126 -	N& 3.52101072		

Software Developer

Full-stack developer working with Angular, Node and TypeScript. Working for the iShares platform. Emphasis on Dev-ops and developing the continous integration pipeline.



## Photon energy (MeV)

## Skills, Achievements and Interests

**Figure 1**. Total mass attenuation coefficients for composites  $C_1$ ,  $C_2$ ,  $C_3$  and  $C_4$ 

#### Skills

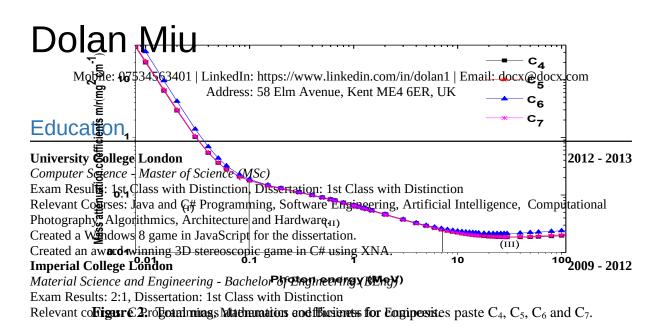
Angular, TypeScript, JavaScript, NodeJS.

## **Achievements**

Oracle Certified Expert

#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.



## **EXP2.2** The effective removal cross-section ( $\Sigma_R$ )

BlackRock An approximate method for calculating the attenuation of fast Novt2017caPresent Associates Refused Polycustages the macroscopic effective removal cross-section. The effective Full-stack developer working with Angular and Lava. Working for the iShares platform may be calculated Torch Markets and homogeneous mixtures may be calculated Torch Markets Software Developer alue  $\Sigma_R$  (cm<sup>-1</sup>) or  $\Sigma_R$  / $\rho$  (cm<sup>2</sup> g<sup>-1</sup>) for various elements in the compounds or Full-stability with Angular, which a symptosity per larges working For the ishares platford. Compounds on Developer working with Angular, which are presented in the effective removal cross-Sound sequence ( $\Sigma_R$ ) of fast neutrons can be evaluated for the composites of in Market 1915 in Qct. 2016 Software Developer

Used ASP.NET MVC  $\Sigma_{io}$   $\rho_{io}$  the  $\Sigma_{io}$   $\rho_{io}$  the  $\Sigma_{io}$   $\rho_{io}$  that a collection tool for the future of B( $\Sigma_{io}$ ) the television. Used Amadelar JS and C# best practices. Technologies used include JavaScript, ASP.NET MVC 5, SQL, Oracle, SASS, Bootstrap,  $S_{io}$   $S_{io}$ 

Soundmouse Mar. 2013 - Oct. 2014 Java Developer Therefore, in this work, the  $(\Sigma_R)$  is calculated for the composites by using Development and the control of the composition of the last of the composition of the control of the con

Created a log analysis web application with the Play Framework in Java, incorporating Test Driven. Of the Development. It asynchronously uploads and processes large (2 GB) log files, and outputs meaningful results in context Will fine problem. C2, C3, C4, C5, C6 and C7, the partial densities and the calculated and Analysis cantured copyrelites faire sityments. Table infrased turns and user accounts section to be used by several clients of the company such as Waitrose, Tally Weijl, DJ Sports, Debenhams, Ann Summers, John Lewis and Calculations

Technologies used include WebSphere Commerce Java, JavaScrint and JSP Table 1 with different seven composites paste shields listed in Table 1 with different concentration of HDBE and BX mixed with 25% cement and 25% sand were used to test the contribution of this ratio content in paste to protect against gamma rays and fast neutrons. The composites under investigation have been studied and recently Skill sested experimentally in our previous work [31].

Angular, Types That, yaluscroft, Production the investigated composites (C1, C2, C3, C4, C5, C6 and C7), are calculated at energies from 0.01 MeV to 100 MeV using the WinXCom Achievements

**Oracle Certified Expert** 

#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

Generally, µ/o values are decreasing with increasing the photon energy. As shown in Table 3, it can be observed that the calculated µ/o at energies 0.01–100 MeV for the composite C<sub>6</sub> are, generally, higher than all composites. This is attributed to the very strong dependence of photoelectric absorption on the elemental composition, the higher effective of atomic number and composites density.

University College London & 2 the curves were divided into three regions according to the Computer Science - Master of Science (MSC)

Exam Resident species with resident on the dominant interaction is the photoelectric absorption, Relevant biolistis: prevailing mother law, socrete angreeing boutfiled intelligence McVmplitationabe Photographical graphs in lay scient for the same photographical graphs and composites Created an award winning 3D stereoscopic game in C# using XNA.

Imperial College London.

Material Structure and the elemental composition and consequently 2009 the 120 Material Structure and the elemental composition and consequently 2009 the 120 Material Structure and the elemental composition and consequently of Exam pleatencies, densinant in the last composition of 0.1 to 8 MeV. The value of Relevant poulses cast of the dominance of the Compton scattering, which is EXPARIATION on the electron density per unit mass. In the case of high-energy region

(III) (photon energy >10 MeV), the dominant process is the pair production. It can be BlackRock

Associate be that the level pair of \$\mu/\rho\$ increase with increasing the photon energies for all Full-stackmenties demonstrated which attribute the photon energies for all Full-stackments demonstrated which attribute the photon energies for all Full-stackments demonstrated which it can be absorbed and that is Octa 2016 in Nova 2017 Software Developer

Full-stack developer working with Angular, Node and TypeScript. Working for the iShares platform. Emphasis on Dev-ops and Coverce the Sound and Sproduces and Sproduce a diversity data collection tool for the seven composite Space. Ago to Both and Sproduce a diversity data collection tool for the future of British television. Used ASP, NET MVC 5, to produce a diversity data collection tool for the future of British television. Used Angularis and C# best practices. Technologies used include Java Script, ASP. NET MVC 5, SQL, Oracle, SASS, placed and the structures. The second and the second and sproduces are the second and some display the majorage of the Java Developing down mechanisms of fast neutrons (i.e. as hydrogen atoms is maximum the Development of Java Developing down mechanisms of fast neutrons (i.e. as hydrogen atoms is maximum the Development of Java Java Script, Asp. Sproduces the neutron capture by boron Created a log analysis web application with the Play Framework in Java, incorporating Test Driven that the Development it asynchronously uploads and processes large (2 GB) log files, and outputs meaningful results in context with Posterion. Is more riche with hydrogen and boron atoms relative to other Analysis and outputs meaningful results in context with posterior of abordonous trategly seembly wanting the bladuary and used literature to the several discount abordonous trategly seembly wanting the produce of the shielding efficient Technologies used include WebSphere Commerce Java Java Structure hydrogen and a reasonable Skill and deficient of the first and the comparing data in table 6 were seemble with different previous studies [7, 10, 14, 17-19] and a reasonable

consensus for the attenuation parameter is found. In addition, the HVL is calculated Skillsand illustrated in Table 6. It can be noticed that, the composite C<sub>6</sub> has the lowest HVL Angulas representationally available shields.

## **Achievements**

Oracle Certified Expert

#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

**Papel and Mill** fast neutron effective removal cross-section for composites that have high concentration of

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U	niversity Col	lege Londo	$n (g cm^{-3})$		(g cm <sup>-3</sup> )		( <b>g2<b>011</b>2<sup>3</sup>) 20</b>	13		
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F	ull-statek stave	oper 340rkii	ng with Angular	agad do va dy grkii	ng for the iShares	platfpgm± 0.03		$0.112 \pm 0.027$		
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Torch Markets Oct. 2016 - Nov. 2017

Software Developer

Full-stack developer working with Angular, Node and TypeScript. Working for the iShares platform. Emphasis on Dev-ops and developing the continous integration pipeline.

Soundmouse Mar. 2015 - Oct. 2016

Software Developer

Used ASP.NET MVC 5 to produce a diversity data collection tool for the future of British television.

Used AngularJS and C# best practices. Technologies used include JavaScript, ASP.NET MVC 5, SQL, Oracle, SASS, Bootstrap, Grunt.

Soundmouse Mar. 2013 - Oct. 2014

Java Developer

Develop web commerce platforms for constious high profile clients.

Created a log analysis web application with the Play Framework in Java, incorporating Test Driven

Development. It asynchronously uploads and processes large (2 GB) log files, and outputs meaningful results in context with the problem.

Analysis and development of the payment system infrastructure and user accounts section to be used by several clients of the company such as Waitrose, Tally Weijl, DJ Sports, Debenhams, Ann Summers, John Lewis and others.

Technologies used include WebSphere Commerce, Java, JavaScript and JSP.

## Skills, Achievements and Interests

#### Skills

Angular, TypeScript, JavaScript, NodeJS.

#### **Achievements**

Oracle Certified Expert

#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

Dolan Table Calculation of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-sections for composites that have high concentration of the fast neutron effective removal cross-section effective removal cross-section of the fast neutron effective removal cross-section effective removal cr

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Educa	ation <b>B</b>	0.0753	0.133459	0.010009	0.156169	0.01171265	0.16065
	C	0.0502	0.402501	0.020206	0.292108	<del>0.0146638</del> 2	0.14786
University	/ Coll <b>@</b> e Londo	n 0.0405	0.926348	0.037517	1.090976	<b>2012</b> 44 <b>2643</b> 3	1.13131
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_	. Calculate	ed Σ <sub>R</sub>	•	0.151149		0.16192314	
Exper	IENMeasured	$\Sigma_{\rm R}[31]$		$0.148 \pm 0.04$		$0.159 \pm 0.035$	

BlackRock Associate Software Develope Table 6. Measured and calculated values of  $\mu/\rho$ , HVL, MFP and  $\Sigma_R$  for seven composite pass

Full_	stack developer w	orking with Angular a	nd Iava Working	for the iShares Color	formites number
T'um-	black developel w	Nikilig willi Aliguidi d	illu Java, Wülkilig	TOT THE ISHALES MAI	adomites number

Torch Markets	$\mathbf{C_1}$	$C_2$	C <sub>3</sub>	<b>C</b> Qct. 201	6 - Nov. <b>20</b> 17	$C_6$	
Software Developer	5.65E-02	5.81E-02	5.79 E-02	5.77 E-02	_5.59 E-02	5.96 E-0	
Full-stack, developer w on Develops and develo	94.651E-02 ±0.005	175.10E-02±0.006	CE1048E-02±0.003	ne 1 Shares pian on 5.76E-02±0.005	n. Emphasis 6.07E-02±0.006	6.16E-02±0	
Soundmouse cal	6.89	6.55	6.47	6.32 Mar 201	5 - Oc <sup>6.26</sup> 16	5.64	
Software Vereingser	8.35	7.45	6.68	6.36	5.78	5.46	
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Used AMEFFAr(S) and C	# best <b>lpract</b> ices. Te	chnold <b>gi#5</b> used inc	clude Ja <b>9</b> &Script, AS	SP.NE <b>T</b> . MIVC 5, S	QL, Otacle,	7.87	
SASS, Bootstrap, Grun	it. 0.139	0.141	0.148	0.144	0.151	0.162	
Soundmouse Property	0.100±0.005	0.107±0.006	0.112±0.005	0.129± <b>9.967201</b>	3 <sub>0</sub> 9 <u>48</u> 20,1 <del>6</del> 4	0.169±0.0	

Java <del>Developer</del>

Develop web commerce platforms for constious high profile clients.

Created a log analysis web application with the Play Framework in Java, incorporating Test Driven Development. It asynchronously uploads and processes large (2 GB) log files, and outputs meaningful result

Development. It asynchronously uploads and processes large (2 GB) log files, and outputs meaningful results in context with the problem.

Analysis and development of the payment system infrastructure and user accounts section to be used by several clients of the company such as Waitrose, Tally Weijl, DJ Sports, Debenhams, Ann Summers, John Lewis and others.

Technologies used include WebSphere Commerce, Java, JavaScript and JSP.

## Skills, Achievements and Interests

#### Skills

Angular, TypeScript, JavaScript, NodeJS.

## **Achievements**

Oracle Certified Expert

#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

Man conclude that, the composite C<sub>6</sub> has the advantages among other composites demonstrated and the selection of a shielding material for fast neutrons and gamma ray depend on the selection of a shielding material for fast neutrons and gamma ray depend on the composites. The demonstrated composites can attenuate the neutrons and gamma rays but with different refficiency. In addition, this composite has the advantages over all available shields of being; low thickness, low cost, light and durable to be formed and non-toxic. In addition, University Gallettihondom terials can be used in various fields such as research 2013, Computer Science of Science (MSC) the chemical isotopes and other different radiation Exam Results: 1st Class with Distinction, Dissertation: 1st Class with Distinction Relevant Courses: Java and C# Programming, Software Engineering, Artificial Intelligence, Computational Photography, Algorithmics, Architecture and Hardware.

Crea**References**8 game in JavaScript for the dissertation.

Created an award-winning 3D stereoscopic game in C# using XNA.

Imperial College London

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Exam Results, 2013 and 27 ta illight density concrete Exploring Ferro boron effects in neutron and gamma
Exam Results, 2013 and 27 ta illight density concrete Exploring Ferro boron effects in neutron and gamma
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Associate Software Developerosale R.R., Pawar P.P., "Detection of new polymer materials as gamma-ray-Full-stack developern working with Rangular and Javat Working 505 the information of the polymer materials as gamma-ray-full-stack developern working with Rangular and Javat Working 505 the information of the polymer materials as gamma-ray-full-stack developern working with Rangular and Javat Working 505 the information of the polymer materials as gamma-ray-full-stack developern working with Rangular and Javat Working 505 the information of the polymer materials as gamma-ray-full-stack developern working with Rangular and Javat Working 505 the information of the polymer materials as gamma-ray-full-stack developern working with Rangular and Javat Working 505 the information of the polymer materials as gamma-ray-full-stack developern working the polymer materials and the polymer materials as gamma-ray-full-stack developern with the polymer material and the polymer materials and the polymer materials and the p

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Lewis and 30thers an Biswas, Hossain Sahadath, Abdus Sattar Mollah, Md. Fazlul Huq. "Calculation of gamma-Technologies rused include Websharee commerce allowate laws script smelding material: Polyboron" Journal of Radiation Research and Applied Sciences, 2016 9, 26 e34.

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## **Achievements**

**Oracle Certified Expert** 

#### **Interests**

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.

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Skills 34-ABetger, M.J., Hubbell, J.H., NBSIR, "Photon Cross Sections on a Personal Computer", National Institute of Standards, 1987, 87-3597 Gaithersburg, MD 20899 USA.

#### Skills

Angular, TypeScript, JavaScript, NodeJS.

#### **Achievements**

**Oracle Certified Expert** 

#### Interests

Programming, Technology, Music Production, Web Design, 3D Modelling, Dancing.