2021 Aug 30 OneAPI **Toolkits and Visual Studio 2019 Tips** Updated to VS 2022 no changes Updated to 2023 April **Option on Compiler** 

Gary L. Fox LM Skunk Works

# **MS Visual Studio**

This interface is a lot like the old Compaq but enough different to make it very frustrating to learn

# This is the open screen click Create a new Project

#### Visual Studio 2019

#### Open recent

Search recent (Alt+S)

ρ-

#### Older



C:\Users\Gary\source\repos\ConsoleApplication1

#### Get started



#### Clone a repository

Get code from an online repository like GitHub or Azure DevOps



Open a project or solution

Open a local Visual Studio project or .sln file



Open a local folder Navigate and edit code within any folder



#### Create a new project

Choose a project template with code scaffolding to get started

#### Continue without code →

#### Select Empty Project Fortran Windows Console

#### Create a new project

#### Recent project templates

🖆 Empty Project	Fortran
📑 Main Program Code	Fortran
📓 Console App	C++

Search fo	or templates	s (Alt+S)		.م		Clear all
Fortran		÷	Windows		All project types	÷
<b>C:</b> \	Main Progr A project fo Fortran		ommand-line appli Console	cation. With san	nple code.	Î
C:\	Empty Proj A project fo Fortran		ommand-line appli	cation		
	Static Libra A project fo Fortran	ry or creating a st Windows	atic library Library			
	155600 million (1997)	ink Library with or creating a dy Windows	i Sample Code /namic-link library. Library	With sample co	ode.	
		or creating a dy	/namic-link library			
<b>—</b> 1	Fortran Standard G	Windows raphics Applic		na a star a recebilizad	erner Technellen en alana an	τ. τ

A solution in VS may have multiple projects.

To date I have only one so the box is checked to put the solution and project in the same folder.

Note: Rand2 is a one dof random response program used for this demo.

Configure your new project	
Empty Project Fortran Windows Console	
Project name	
Rand2	
Location	
F:\!_FORTRAN\RAND2	2**
Solution na <u>m</u> e (i)	
Rand2	

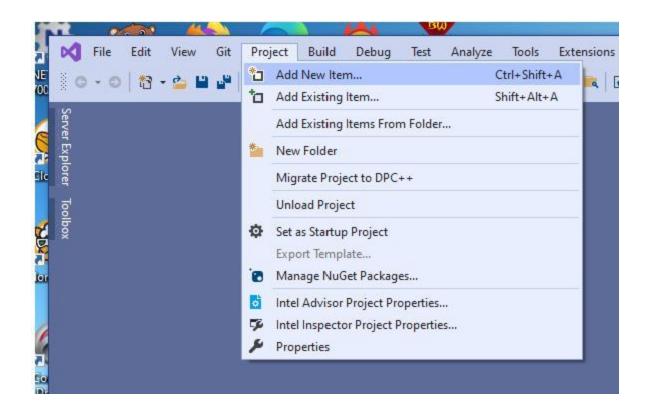
Place solution and project in the same directory

This is the open screen. Now need to add the Rand2 fortran file to the project.

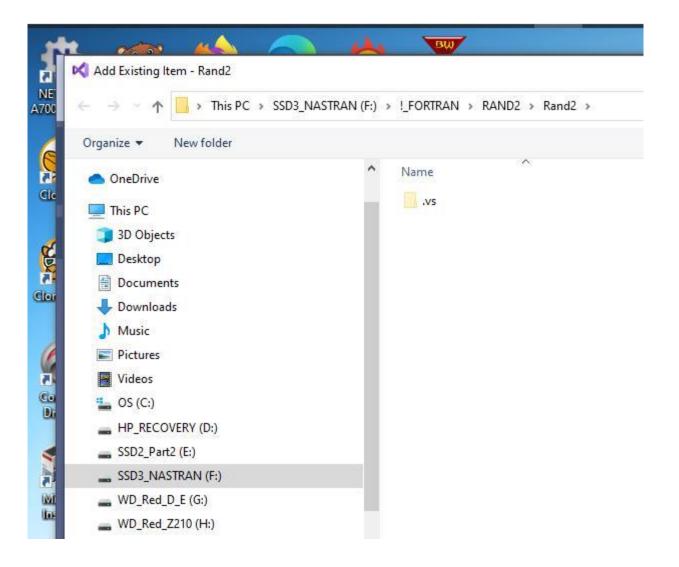
L Read

-		1 1	
	🕅 Eile Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q)	Sign	in A, − □ ×
NE 700	0 - 0   12 - 2   12 + 7 - 7 + Debug - x86 ► Start + 1 = 0   15 - 0   15 - 0 = 0 - 0 + 5 - 0 = 0 + 10 - 0 = 0 + 10 + 10 + 10 + 10 + 10 + 10 + 1		🖻 Live Share 🛛 🕏
	2	Solution Explorer	+
6		000.000	
		Search Solution Explorer (Ctrl-	
CIC		Solution 'Rand2' (1 of 1	
		4 E Rand2	
e l		Header Files Resource Files	
		Source Files	
6			
Dr			
lle-			
C			
-			
		Solution Explorer Git Chang	es
		Properties	
		Rand2 Project Properties	-
in and a second		₽. <b>₽</b>	
(A)		🗄 Misc	
		(Name)	Rand2
	Output     ▼ ↓ ≤ ↓ ≤ ≤ ↓ ≤ ↓       Show output from: File Generation     ▼ ↓ ≤ ↓ ≤ ↓ ≤ ↓	Project Path	F:\!_FORTRAN\RAIND2\Rand2\
Gy	Show output from: File Generation • See 1 = 1 = 1		
llar			
É			
-			
2			
		(Name)	
		Name of the project.	
60	Error List Compiler Inline Report Compiler Optimization Report Output		

## Add existing Item



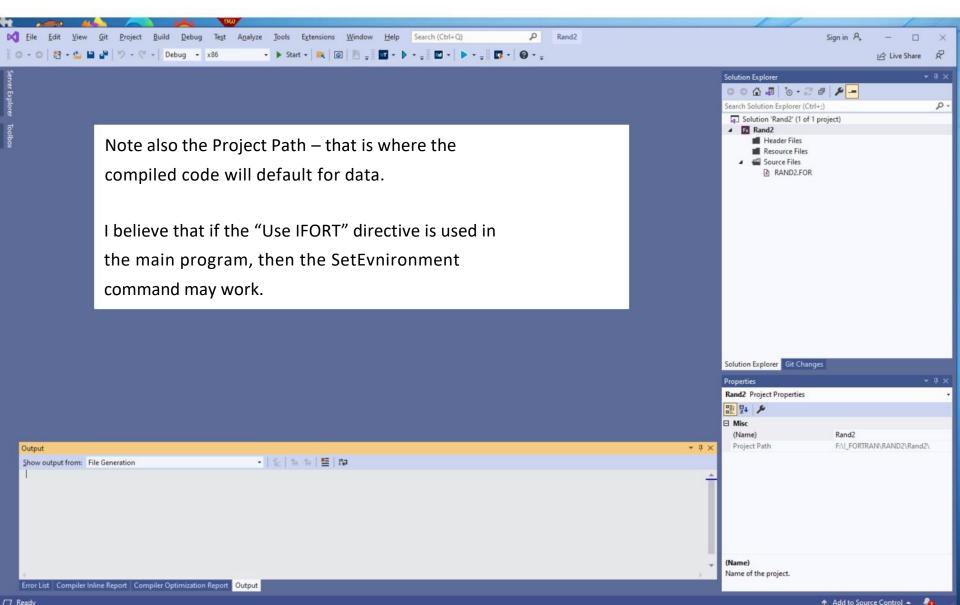
# Project added Rand2 folder below the RAND2 pre-existing folder



# Select the RAND2 folder where the code is

🛧 📙 > This PC -> SSD3	3_NASTRAN (F:) > !_FORTRAN > RAND2 >		ٽ v	🔎 Search RAND
Organize 🔻 New folder			dh seas	823
OneDrive	^ Name ^	Date modified	Туре	Size
	Debug	10/30/2021 11:53 AM	File folder	
This PC	Rand2	10/30/2021 11:57 AM	File folder	
3D Objects	RAND2.FOR	11/4/2003 5:02 PM	AbsoftTools	s.Fortra 7 K
Desktop				
Documents				
Downloads				
J Music				
E Pictures				
Videos				
🟪 OS (C:)				
HP_RECOVERY (D:)				
SSD2_Part2 (E:)				
SSD3_NASTRAN (F:)				
wD_Red_D_E (G:)				
WD_Red_Z210 (H:)				

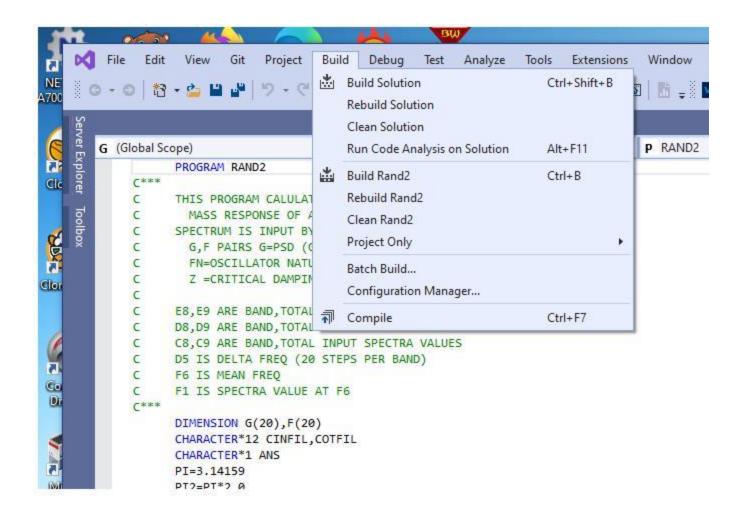
# Notice that RAND2.FOR is now listed in the "Solution Explorer" box – <u>Case Sensitive!!!!</u>



# Click on any file in the list, in this case RAND2, and the code appears.

Edit View <u>Git Project Build Debug</u> Te <u>st An</u> aly	ze Iools Extensions Window Help Search (Ctrl+Q)	<b>D</b> - <b>O</b> -			Sign in A <sub>+</sub>	- [ É Live Sha
	Juan C A Martin and A					Er Live Sha
	• P RAND2	RAND2.FC		Solution Explorer		
PROGRAM RAND2	P RANUZ	•	÷	G O 🏠 🗿 🐻 - 😂	* a   <b>&gt;</b> -	
C***				Search Solution Explorer (C	.trl+;)	
C THIS PROGRAM CALULATES THE RELATIVE RMS DISPLA	CEMENT AND ABSOLUTE		TRACE OF	Solution 'Rand2' (1 of	f 1 project)	
C MASS RESPONSE OF A SMO DUE TO A RANDOM EXCIT				A E Rand2	. projeco	
C SPECTRUM IS INPUT BY BREAK POINTS, STRAIGHT LI	NE ON LOG-LOG		-	Header Files		
C G,F PAIRS G=PSD (G^2/HZ), F=FREQUENCY (HZ)		Ļ		Resource Files		
C FN=OSCILLATOR NATURAL FREQUENCY (HZ)			Ē	<ul> <li>A Source Files</li> </ul>		
C Z =CRITICAL DAMPING RATIO			2	RANDZ.FOR	p	
C				MAND2.FOR	A	
C E8,E9 ARE BAND,TOTAL ABS ACC			Contraction of the second seco			
C D8,D9 ARE BAND,TOTAL REL DISP			-			
C C8,C9 ARE BAND,TOTAL INPUT SPECTRA VALUES C D5 IS DELTA FRED (20 STEPS PER BAND)			- Series			
C D5 IS DELTA FREQ (20 STEPS PER BAND) C F6 IS MEAN FREQ						
C FI IS SPECTRA VALUE AT F6						
C***			APRENA .			
DIMENSION G(20), F(20)			- <u>-</u>			
CHARACTER*12 CINFIL, COTFIL			E			
CHARACTER*1 ANS						
PI=3.14159			- Theorem			
PI2=PI*2.0			E			
C			All controls			
WRITE(*,*) ' '			E.,			
WRITE(*,*)						
WRITE(*,*) '			B.OTHAN			
WRITE(*,*) '			William *			
WRITE(*,*)			B			
WRITE(*,*) '			APOTTON .	Solution Explorer Git Char	nges	
WRITE(*,*) ' ' WRITE(*,*) ' '			AP-PERSON		iges	
WRITE(*,*) '				Properties		
WRITE(*,*)				RAND2.FOR File Propertie	5	
WRITE(*,*) ' RANDOM VIBRATION ANALYS	IS RESPONSE'				-	
WRITE(*,*) '				📰 💱 🗡		
WRITE(*,*) ' RELEASE 1.02 946	723 '		-	🗆 Misc		
- 🔊 No issues found		In: 1 Ch: 1	SPC CRLF	(Name)	RAND2.FOR	R
ıt				File Path	F:\!_FORTR/	AN\RAND2\
				File Type	Fortran Sou	irce
output from: File Generation	-   <u>2</u>   <u>5</u>   <u>5</u>   <u>5</u>   <u>5</u>			Modified Date	11/5/2003 1	
			A	Read Only	False	000010000
				Size	6224	
				JILC	0224	
			~	(Name)		
				Specifies the name of the fi		

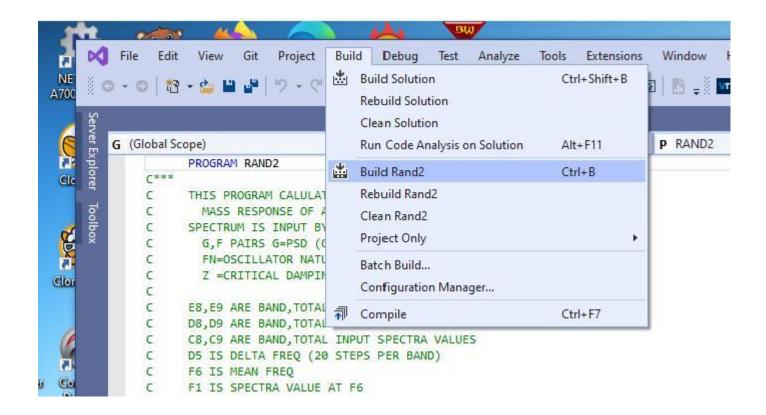
## I usually compile at this point



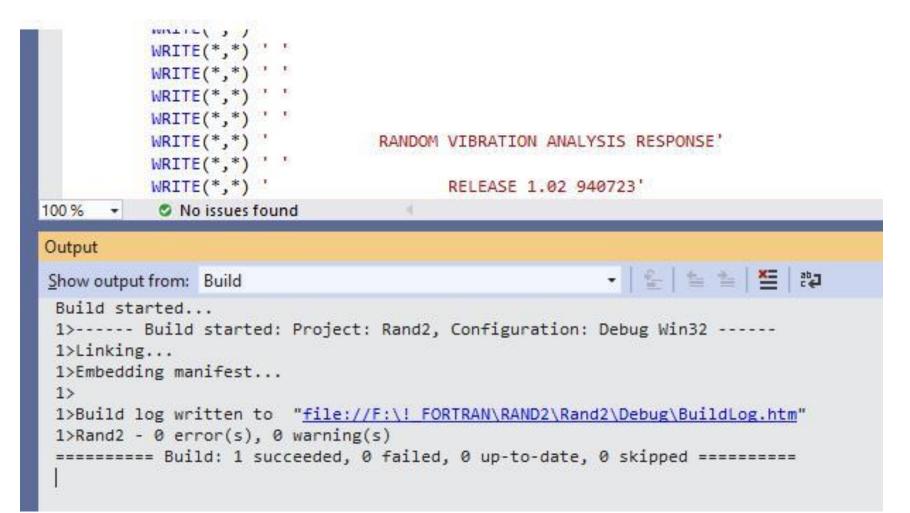
## Compiled without errors

	View Git Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q) P Rand2			Sign in A	- 0
- 0 13	🖕 🔛 🔐 🦻 - 🤆 -   Debug - x85 Start - 🔍 🐼 🔚 🛫 🚾			-	🖻 Live Share
	RAND2.FO	R 🖮 🗙 🕶 🌣	Solution Explorer	-	
(Global Sco		+	000.0.0.0.0		
	ROGRAM RAND2	A			
C***		Annual Contract	Search Solution Explorer (Ctrl+	)	
	HIS PROGRAM CALULATES THE RELATIVE RMS DISPLACEMENT AND ABSOLUTE		Solution 'Rand2' (1 of 1 p	roject)	
C	MASS RESPONSE OF A SNO DUE TO A RANDOM EXCITATION	Billion and a second	A 🖬 Rand2		
c	PECTRUM IS INPUT BY BREAK POINTS, STRAIGHT LINE ON LOG-LOG	ē	📕 Header Files		
c	G,F PAIRS G=PSD (G^2/HZ), F=FREQUENCY (HZ) FN-OSCILLATOR NATURAL FREQUENCY (HZ)		Resource Files		
c	s = CRITICAL DAMPING RATIO	The second	🔺 📹 Source Files		
C			RAND2.FOR		
C	8,E9 ARE BAND,TOTAL ABS ACC	Carrier Carrier			
	8,D9 ARE BAND,TOTAL REL DISP				
	8,C9 ARE BAND,TOTAL INPUT SPECTRA VALUES	-			
	5 IS DELTA FREQ (20 STEPS PER BAND)	-			
	6 IS MEAN FREQ 1 IS SPECTRA VALUE AT F6				
Casa		Janes .			
100	INENSION 6(20),F(20)	1			
	HARACTER*12 CINFIL,COTFIL	E.			
	HARACTER*1 ANS	-			
	I=3.14159	- Terretoria			
c	12=91*2.0				
	RITE(*,*) ' '	Street.			
	RIE(*,+) ``	Provide State			
	RITE(*,*) ' '	E			
	RITE(*,*) '''	ELANASA BURNASA			
	RITE(*,*) '				
	RITE(*,*) ***	Apprentis	Solution Explorer Git Change		
	RITE(***) ' '	Apprends	Solution Explorer on changes		
	RITE(*,*) ' ' RITE(*,*) ' '		Properties		
	NITE(*,*) * *		RAND2.FOR File Properties		
	RITE(*,*) ' RANDOM VIBRATION ANALYSIS RESPONSE'				
	RITE(*,*)		11 94 <i>P</i>		
	RITE(*,*) ' RELEASE 1.02 940723'	Ŧ	E Misc		
	No issues found     Ln: 1 Ch: 1	SPC CRLF	(Name)	RAND2.FO	8
ut		- <del>4</del> ×	File Path	F:\!_FORTR	AN\RAND2\
	om: Build - 이상 등 목 월		File Type	Fortran Sou	irce
v netnuts	d started: Project: Rand2, Configuration: Debug Win32	1.00	Modified Date	11/5/2003	:02 AM
		*	Read Only	False	
	a started: Project: Kandz, Configuration: Debogiminsz				
Bui	ith Intel® Fortran Compiler Classic 2021.3.0 [IA-32]		Size	6224	
Bui			and the second	6224	
npiling	ith Intel® Fortran Compiler Classic 2021.3.0 [IA-32]		and the second	6224	
npiling ND2.FOR		1	and the second	6224	
npiling ND2.FOR Ild log nd2 - 0	ritten to " <u>file://F:\! FORTRAN\RAND2\Rand2\Debug\BuildLog.htm</u> "	1	and the second	5224	
npiling ND2.FOR Ild log nd2 - 0	ith Intel® Fortran Compiler Classic 2021.3.0 [IA-32] written to " <u>file://F:\! FORTRAN\RAND2\Rand2\Debug\BuildLog.htm</u> " wror(s), 0 warning(s)		and the second	5224	
npiling ND2.FOR Ild log nd2 - 0	ith Intel® Fortran Compiler Classic 2021.3.0 [IA-32] written to " <u>file://F:\! FORTRAN\RAND2\Rand2\Debug\BuildLog.htm</u> " wror(s), 0 warning(s)		Size	5224	

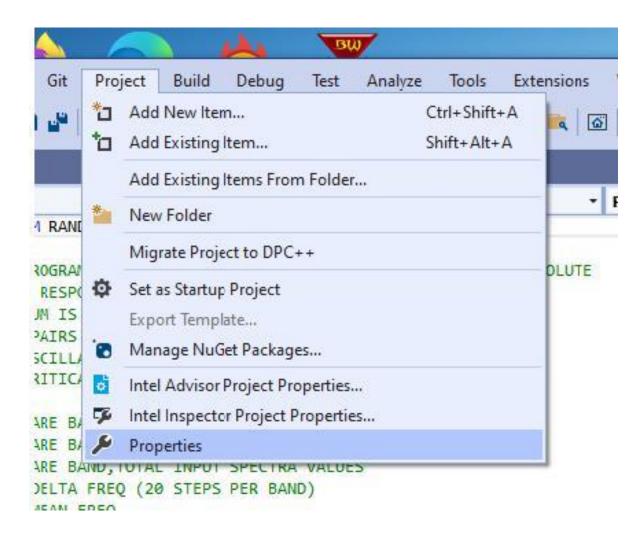
# Build solution – this invokes the linker, so unresolved externals are found here



1 succeeded is good news, we have an executable now. By default is uses dlls, so need to make a "Static" program.



## Select Project Properties Note: No Project Name, must have one –see later slides



/Qsave saves variables in a subroutine, increases memory /align:dcommons makes sure 64 bit variables are correctly aligned (NASTRAN had to have these to compile correctly, as well as /check:none turn off bounds check since some older FORTRAN used dimension of (1) and later used more – a part of older FORTAN that makes common an issue with the "Elites".

							2	_
RAND2.FOR Prop	perty Pages						?	×
Configuration:	Active(Debug)	~	<u>P</u> latform:	Active(Win32)	~	Configuration	n <mark>Manage</mark> r	
▲ Configurati	ion Properties	All Options:						
General Fortran Gen Opti Deb Prep Cod Lang Con Diag Data Floa Exte	eral imization ugging processor le Generation guage npatibility gnostics	/nologo /debug:ful \vc160.pdb" /tracel	ll /Od /warn: back /check:	interfaces /module:"De bounds /check:stack /li	bug\\" /object:"Deb bs:dll /threads /dbg	ug\\" /Fd"Debug libs /c		^
	-time	Additional Options:						~
Con	nmand Line	/Qsave /align:dcon	nmons					^
					OK	Cancel	Apply	

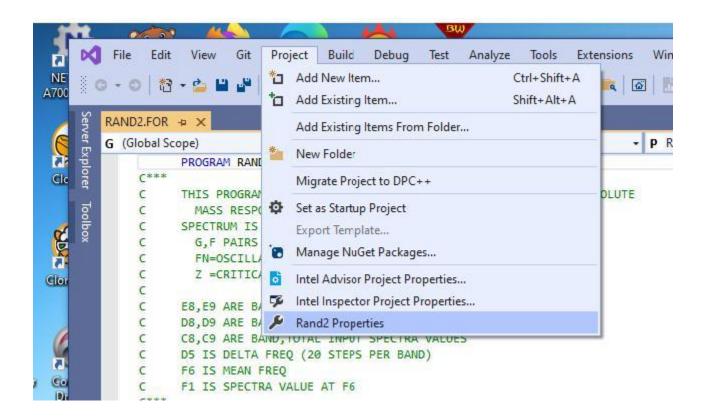
# Note: *Debug Multithreaded…* is an option on the Runtime Library tab

JSerra 1 Novice	:
07-03-2021 02:43 PM 276 Views	
✓ Problem solved: in Project > Properties > Cinfig Properties > Forta (/libs:dll /threads) to Debug Multithreaded (/libs:static /threads /d	ran > Libraries > Runtime Library, I changed from <i>Multithread DLL</i> Ibglibs). Then the .exe file runs normally and generates the intended file.
I hope for my (basic) use of VS this does not have collateral effects.	
EDIT: see @Steve_Lionel 's warning regarding side effects.	
View solution in original post	
	Translate
1 OKudos	Copy link Share Reply

Carlos and C	Prompt (2) - ran		10043	2261			
	lindows [Ver ft Corporat						
C:\Users\Ga	nry≻f:					This is what happens	
	_FORTRAN\RA	ND2				without using a "static"	
	N\RAND2>dir					library – see next slide	
	drive F is					N. Alexandre and	
Volume Ser	ial Number	15 1C24-1	1617				
-	of F:\!_FOR		12				
C	UT F. (:_FUR	TRAN (RANL	)2				
<sup>C*</sup> 10/30/2021	01:48 PM	<dir></dir>					
	01:48 PM	<dir></dir>					
10/30/2021		<dir></dir>		Debug			
11/04/2003			110	FLAT_1.GIN			
11/04/2003				FLAT_1.ROT			
11/04/2003	05:37 PM			FLAT_2.GIN	1923-1922-19		202
11/04/2003	06:09 PM		120	HDBK_1.GIN	RAND2.e	xe - System Error	Х
11/04/2003	06:09 PM		20,446	HDBK_1.ROT			
10/30/2021	12:11 PM	<dir></dir>		Rand2			
09/03/2016	08:35 AM		544,837	RAND2 - Copy.		The code execution cannot proceed because libifcoremdd.dll	
11/04/2003			3,747	RAND2.DSP	V	was not found. Reinstalling the program may fix this problem.	
11/04/2003				RAND2.DSW			
10/30/2021				RAND2.exe			1
	06:02 PM			RAND2.FOR		OK	
11/04/2003	06:57 PM			RAND2.ncb			
11/04/2003	06:57 PM			RAND2.OPT			
11/04/2003	06:02 PM			RAND2.PLG			
11/04/2003	07:16 PM			STAG123A.GIN			
11/04/2003	07:16 PM			STAG123A.ROT			
11/04/2003	07:08 PM			STAGE23A.GIN			
11/04/2003	07:09 PM			STAGE23A.ROT			
11/04/2003	07:00 PM			STAGE_1.GIN			
11/04/2003 0411/04/2003	07:02 PM			STAGE 1A BOT			
707/23/1994	07:02 PM			STAGE_1A.ROT TEST1.GIN			
1,11/04/2003	05:14 PM			TEST1.GIN			
TC	22 File(	<)	819,58				
mp				,224 bytes free			
ND nk	A Second	,			8 ·		

imbeF:\!\_FORTRAN\RAND2>rand2

## Make sure that you see the Project name (Rand2) before Properties Sometimes this does not show up – wtf?



# Need to see Libraries under Fortran

onfiguration: Active(Debug)	✓ Platform: x64	~	Configuration Manager
<ul> <li>▲ Configuration Properties</li> <li>▲ General</li> <li>→ Fortran</li> <li>→ General</li> <li>→ Optimization</li> <li>→ Debugging</li> <li>→ Fortran</li> <li>→ General</li> <li>→ Optimization</li> <li>→ Debugging</li> <li>→ Preprocessor</li> <li>← Code Generation</li> <li>← Libraries</li> <li>← Command Line</li> <li>→ Linker</li> </ul>	Use Compiler Output Directory Intermediate Directory Target Name Target Extension Extensions to Delete on Clean Build Log File Configuration Type Whole Program Optimization	IFORT Intel® Fortran Compiler S(PlatformName)\\$(Configura \$(ProjectName) .exe *.cod;*_genmod.*;*.obj;*.mod \$(IntDir)\BuildLog.htm Application No	tionName) tionName)
▷ Resources ▷ MIDL	Use Compiler Use Compiler		

	Debu Runtime Library	Debug Multithreaded (ilibsst	Configuration Manage
Properties A General Debugging A Fortran General Optimization Debugging Preprocessor Code Generation Language Compatibility Diagnostics Data Floating Point External Procedures Output Libraries Command Line	Use Common Windows Libraries Use Portlib Library Use Intel Math Kernel Library Disable Default Library Search Rules Disable OBJCOMMENT Library Names in	Multithreaded Multithread DLL Vlibs:dll /thread QuickWin (/libs:gwin) Standard Graphics (ilibs:qwins) Debug Multithreaded (/libs:sta Debug Multithread DLL (/libs:c Debug QuickWin Vlibs:gwin /d Debug Standard Graphics Vlibs <inherit defaults="" from="" project=""></inherit>	tic /threads /dbglibs) III /threads /dbglibs) bglibs)
D Linker D Resources MIDL V	Runtime Library Specifies the runtime library for linking. (/lib	osgstaticidlligwinigwins}, /thread	s,/dbglibs)

## Select libs static

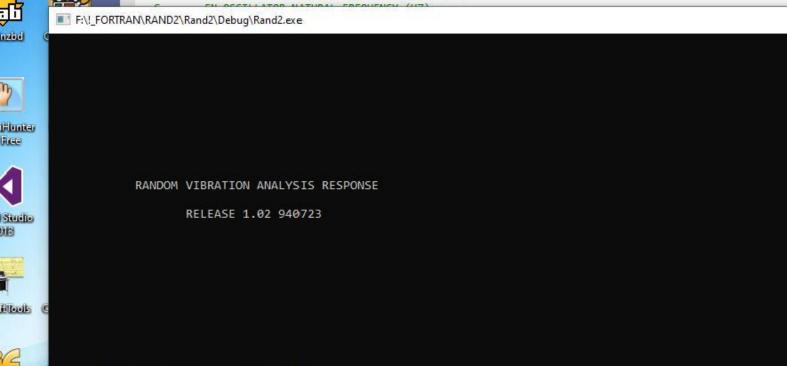
and2 Property I	ages							? ×
onfiguration:	Active(Debug)	~	<u>P</u> latform:	x64		~	Configuration	n Manager
Opt Deb Prep Cod Lan Con Diag Data Floa Exte Out Run	ing eral imization ugging processor le Generation guage npatibility gnostics	Runtime Library Use Common W Use Portlib Libra Use Intel Math K Disable Default L Disable OBJCOM	'indows Libra ry ernel Library .ibrary Search	Rules	Debug Multithrea Multithreaded Multithread DLL (/I QuickWin (/libs:qw Standard Graphics Debug Multithread Debug Multithread Debug QuickWin (/ Debug Standard Gr <inherit from="" proje<="" td=""><td>ibs:dll /thre in) (/libs:qwins) ed (/libs:sta DLL (/libs:d (libs:qwin /c aphics (/libs</td><td>ads) ) t<mark>ic /threads /dbg</mark> dll /threads /dbg dbglibs) s:qwins /dbglibs</td><td>glibs) libs)</td></inherit>	ibs:dll /thre in) (/libs:qwins) ed (/libs:sta DLL (/libs:d (libs:qwin /c aphics (/libs	ads) ) t <mark>ic /threads /dbg</mark> dll /threads /dbg dbglibs) s:qwins /dbglibs	glibs) libs)
▷ Resource ▷ MIDL	es V	Runtime Library Specifies the runtim	e library for l	nking. (/libs	::{static dll qwin qwi	ns}, /thread	ls, <mark>/</mark> dbglibs)	
						ОК	Cancel	Apply

#### Finally got it to run – the systems wants to use dlls – had to repeat a few times for it to "take"



C

ACCELERATIO OF A SMO DUE TO A RANDOM EXCITATION SPECTRUM IS INPUT BY BREAK POINTS, STRAIGHT LINE ON LOG-LOG G,F PAIRS G=PSD (G^2/HZ), F=FREQUENCY (HZ)



ENTER THE INPUT DATA FILE NAME ==>



dit

h

)1B

acity

Gyejwinic

Show output from: Build Rebuild All started: Project: Rand2, Configuration: Debug Win32 -----1>----

X

# Release

#### **Setting Data Type and Alignment**

Alignment of data affects these kinds of variables:

- Those that are dynamically allocated. (Dynamically allocated data allocated with ALLOCATE is 8-byte aligned.)
- · Those that are members of a data structure
- · Those that are global or local variables
- · Those that are parameters passed on the stack

For best performance, align data as follows:

- · Align 8-bit data at any address.
- · Align 16-bit data to be contained within an aligned four byte word.
- · Align 32-bit data so that its base address is a multiple of four.
- · Align 64-bit data so that its base address is a multiple of eight.
- Align 128-bit data so that its base address is a multiple of sixteen (8-byte boundaries).

#### **Causes of Unaligned Data and Ensuring Natural Alignment**

For optimal performance, make sure your data is aligned naturally. A natural boundary is a memory address that is a multiple of the data item's size. For example, a REAL (KIND=8) data item aligned on natural boundaries has an address that is a multiple of 8. An array is aligned on natural boundaries if all of its elements are so aligned.

All data items whose starting address is on a natural boundary are naturally aligned. Data not aligned on a natural boundary is called unaligned data.

Although the Intel® compiler naturally aligns individual data items when it can, certain Fortran statements can cause data items to become unaligned.

You can use the align command-option to ensure naturally aligned data, but you should check and consider reordering data declarations of data items within common blocks, derived-type structures, and record structures as follows:

- · Carefully specify the order and sizes of data declarations to ensure naturally aligned data.
- · Start with the largest size numeric items first, followed by smaller size numeric items, and then non-numeric (character) data.

The !DEC\$ ATTRIBUTES ALIGN directive specifies the byte alignment for a variable. It is not supported for ALLOCATABLE/POINTER variables.

Common blocks (COMMON statement), derived-type data, and Fortran 77 record structures (RECORD statement) usually contain multiple items within the context of the larger structure.

The following statements can cause unaligned data:

Statement	Options	Description
Common blocks (COMMON statement)	commons OF dcommons	The order of variables in the COMMON statement determines their storage order. Unless you are sure that the data items in the common block will be naturally aligned, specify either -align commons or -align dcommons (Linux*) or /align:commons Or /align:dcommons (Windows*), depending on the largest data size used.

SDNL_2024_03_21 Property Page	s				?	×
Configuration: Active(Release	e)	✓ Platform: x64	~	Configuration	Manager.	
<ul> <li>Configuration Properties General Debugging</li> <li>Fortran General Optimization Debugging Preprocessor Code Generation Language Compatibility Diagnostics Data Floating Point External Procedures Output Files Run-time</li> </ul>		Runtime Library         Use Common Windows Libraries         Use Portlib Library         Use Intel Math Kernel Library         Use ILP64 interfaces         Disable Default Library Search Rules         Disable OBJCOMMENT Library Names in	Multithreaded No No No No No			
Libraries Command Line Linker General Input		untime Library becifies the runtime library for linking. (/libs	s:{static dll qwin qwins}, /thread	s, /dbglibs) Cancel	Apply	

SDNL_2024_03_21 Propert	y Pages						?	×
Configuration: Active	Release)	~	<u>P</u> latform:	x64	~	Configuration I	Manage	r
<ul> <li>Configuration Prop General Debugging</li> <li>Fortran General Optimization Debugging Preprocesso Code Genera Language Compatibilit Diagnostics Data</li> </ul>	n r	A <u>l</u> l Options: /nologo /O2 /modu /libs:static /threads		ase\\" /object:"x64\Relea	se\\" /Fd"x64\Relea	ase\vc170.pdb"		^
Floating Poin External Pro- Output Files Run-time Libraries	cedures	<u>A</u> dditional Options: /Qsave /align:dcom	mons					~
Command L Linker Resources MIDL	ine v							~
					ОК	Cancel	<u>A</u> pply	(

### **Fortran Compiler Option**

#### Select Properties

											~			
0	🚺 File	Edit Vie	w Git	Proj	ect	Build	Debug	Test	Analyze	Tools	Exte	ensions	Window	Help
ş	abc 🔚 🕻	re   -= -9		<b>*</b>	Add	New Iter	m		Ct	trl+Shift+	Α	1		
			· · · · · · · · · · · · · · · · · · ·	<del>1</del>	Add	Existing	ltem		Sh	nift+Alt+A	4			
×	€ • ⊝	ig - 🖻			Add	Existing	Items Fro	m Folde	er					Ŧ
С	оммол_х	MODEL.DA	AT	*		/ Folder						DR ⇒ ×	SHOCK.F	OR
G	(Global Sc	ope)			New	Folder						T1(DECISI)	)	
-	85	-1-2	IF(tmp		Mig	rate Proje	ect to DPC	++					, 	
	86	с			Unlo	oad Proje	ct							
	87		WRITE(		Con	nected S	onvicor				•			
	88	2110	FORMAT					+ -				AM'/		
	89 90		&,31X,' &,31X,'	4 <u>5</u> 3		-	artup Proj	ects				An 7		
	91		&, 31X, '				p Project							
	92		&,31X,'		Expo	ort Templ	ate							
	93		&,31X,'		Man	age NuG	Get Packag	jes						
	94		6,31X,'		Prop	perties								
	95 96		&,31X,' &,31X,'				(520)	331-6	5881',/			1		
	97		S,26X,				(020)	551 (	11					
	98		8'	Th	is E	Executa	able is	Licer	nsed to L	.ockhee		rtin',	/	

### Select the compiler to use Select the item to get the dropdown box!!

Configuration: Active(Release)	✓ Platform: x64	✓ Configuration Manager	
<ul> <li>▲ Configuration Properties</li> <li>▲ General</li> <li>Debugging</li> <li>▲ Fortran</li> <li>General</li> <li>Optimization</li> <li>Debugging</li> <li>Preprocessor</li> <li>Code Generation</li> <li>Language</li> <li>Compatibility</li> <li>Diagnostics</li> <li>Data</li> <li>Floating Point</li> <li>External Procedures</li> <li>Output Files</li> <li>Run-time</li> <li>Libraries</li> <li>Command Line</li> <li>♦ Linker</li> </ul>	Use Compiler Output Directory Intermediate Directory Target Name Target Extension Extensions to Delete on Clean Build Log File Configuration Type Whole Program Optimization	IFX Intel® Fortran Compiler         IFX Intel® Fortran Compiler         IFORT Intel® Fortran Compiler Classic <inherit defaults="" from="" project="">         .cxc         *.cod;*_genmod.*;*.obj;*.mod;*.smod;*.pdb;*.asm;*.lst;*.ma         \$(IntDir)\BuildLog.htm         Application         No</inherit>	4
Resources     MIDL	Use Compiler Use Compiler		