

TP2

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Chapter 1

Data Structure Index

1.1 Data Structures

Here are the data structures with brief descriptions:

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Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

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Chapter 3

Data Structure Documentation

3.1 pulso Struct Reference

Data Fields

- float **I**
- float **Q**

3.1.1 Field Documentation

3.1.1.1 float I

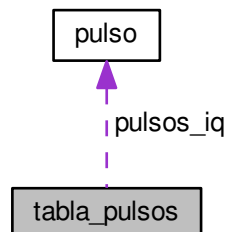
3.1.1.2 float Q

The documentation for this struct was generated from the following file:

- openmp/**main.c**

3.2 tabla_pulsos Struct Reference

Collaboration diagram for tabla_pulsos:



Data Fields

- uint16_t **validSamples**
- struct **pulso** **pulsos_iq** []

3.2.1 Field Documentation

3.2.1.1 struct **pulso** **pulsos_iq**

3.2.1.2 uint16_t **validSamples**

The documentation for this struct was generated from the following file:

- openmp/**main.c**

Chapter 4

File Documentation

4.1 html/dynsections.js File Reference

Functions

- function **toggleVisibility** (*linkObj*)
- function **updateStripes** ()
- function **toggleLevel** (*level*)
- function **toggleFolder** (*id*)
- function **toggleInherit** (*id*)

4.1.1 Function Documentation

4.1.1.1 function **toggleFolder** (*id*)

4.1.1.2 function **toggleInherit** (*id*)

4.1.1.3 function **toggleLevel** (*level*)

4.1.1.4 function **toggleVisibility** (*linkObj*)

4.1.1.5 function **updateStripes** ()

4.2 html/jquery.js File Reference

Functions

- **b extend** ({cssHooks:{opacity:{get:function(bw, bv){if(bv){var e=**Z**(bw,"opacity","opacity");return e===""?"1"↵:e}else{return bw.style.opacity}}}}, cssNumber:{fillOpacity:true, fontWeight:true, lineHeight:true, opacity↵:true, orphans:true, widows:true, zIndex:true, zoom:true}, cssProps:{float:b.support.cssFloat?"css↵Float":"styleFloat"}, style:function(bx, bw, bD, by){if(!bx||bx.nodeType===3||bx.nodeType===8||!bx.↵style){return}var bB, bC, bz=b.camelCase(bw), bv=bx.style, bE=b.cssHooks[bz];bw=b.cssProps[bz]||bz;if(b↵D!==**L**){bC=typeof bD;if(bC==="string"&&(bB=**I**.exec(bD)))bD=(+(bB[1]+1)*+bB[2])+parseFloat(**b**.↵css(bx, bw));bC="number"}if(bD==null||bC==="number"&&isNaN(bD)){return}if(bC==="number"&&!b.css↵Number[bz]){bD+="px"}if(!bE||!("set"in bE)||bD=bE.set(bx, bD))!==**L**){try{bv[bw]=bD}catch(bA){}}else{if(bE↵&&"get"in bE &&(bB=bE.get(bx, false, by))!==**L**){return bB}return bv[bw]}}, css:function(by, bx, bv){var bw,↵e;bx=b.camelCase(bx);e=b.cssHooks[bx];bx=b.cssProps[bx]||bx;if(bx==="cssFloat"){bx="float"}if(e &&"get"↵in e &&(bw=e.get(by, true, bv))!==**L**){return bw}else{if(**Z**){return **Z**(by, bx)}}}, swap:function(bx, bw, by){var↵e={};for(var bv in bw){e[bv]=bx.style[bv];bx.style[bv]=bw[bv]}by.call(bx);for(bv in bw){bx.style[bv]=e[bv]}}

- **b each** (["height", "width", function(bv, e){b.cssHooks[e]={get:function(by, bx, bw){var bz;if(bx){if(by.offsetWidth←Width!=0){return p(by, e, bw)}else{b.swap(by, a7, function(){bz=p(by, e, bw)}}return bz}}, set:function(bw, bx){if(bc.test(bx)){bx=parseFloat(bx);if(bx >=0){return bx+"px"}}else{return bx}}}})
- **if** (!b.support.opacity)
- **b** (function(){if(!b.support.reliableMarginRight){b.cssHooks.marginRight={get:function(bw, bv){var e;b.←swap(bw,{display:"inline-block"}, function(){if(bv){e=Z(bw,"margin-right","marginRight")}else{e=bw.style.←marginRight}});return e}}})
- **if** (av.defaultView &&av.defaultView.getComputedStyle)
- **if** (av.documentElement.currentStyle)
- **function p** (by, bw, bv)
- **if** (b.expr &&b.expr.filters)

Variables

- **function bb**
- **function L** {var av=bb.document,bu=bb.navigator,bl=bb.location
- **var b**
- **var au** =/opacity=([^\s]*)/,z=/([A-Z]|^ms)/g,bc=/^-?\d+(?:px)?\$/i,bn=/^-?\d/,l=/^([+-])=([-.+\de]+)/,a7={position←:"absolute",visibility:"hidden",display:"block"},an=["Left","Right"],a1=["Top","Bottom"],Z,a1,aX
- **b fn css** =function(e,bv){if(arguments.length===2&&bv===L){return this}return b.access(this,e,bv,true,function(bx,bw,by){return by!==L?b.style(bx,bw,by):b.css(bx,bw)}})
- **b curCSS** =**b.css**
- **Z** =a1||aX
- **var k** =/%20/g
- **var ap** =/\[/\$/
- **var bs** =/r?\n/g
- **var bq** =/#.*\$/
- **var aD** =/^(.?(?:[\t]*([^\r\n]*)\r)?\$/mg
- **var aZ** =/^(?:color|date|datetime|datetime-local|email|hidden|month|number|password|range|search|tel|text|time|url|week)\$/i
- **var aM** =/^(?:about|app|app-storage|.+\\-extension|file|res|widget):\$/
- **var aQ** =/^(?:GET|HEAD)\$/
- **var c**

4.2.1 Function Documentation

- 4.2.1.1 **b** (function(){if(!b.support.reliableMarginRight){b.cssHooks.marginRight={get:function(bw, bv){var e;b.swap(bw,{display:"inline-block"}, function(){if(bv){e=Z(bw,"margin-right","marginRight")}else{e=bw.style.margin←Right}});return e}}})
- 4.2.1.2 **b each** (function(bv, e){b.cssHooks[e]={get:function(by, bx, bw){var bz;if(bx){if(by.offsetWidth!=0){return p(by, e, bw)}else{b.swap(by, a7, function(){bz=p(by, e, bw)}}return bz}}, set:function(bw, bx){if(bc.test(bx)){bx=parseFloat(bx);if(bx >=0){return bx+"px"}}else{return bx}}})
- 4.2.1.3 **b extend** ({cssHooks:{opacity:{get:function(bw, bv){if(bv){var e=Z(bw,"opacity","opacity");return e===""?"1":e}else{return bw.style.opacity}}}}, cssNumber:{fillOpacity:true, fontWeight:true, lineHeight:true, opacity:true, orphans:true, widows:true, zIndex:true, zoom:true}, cssProps:{"float":b.support.cssFloat?"cssFloat":"styleFloat"}, style:function(bx, bw, bD, by){if(!bx||bx.nodeType===3||bx.nodeType===8||!bx.style){return}var bB, bC, bz=b.camelCase(bw), bv=bx.style, bE=b.cssHooks[bz];bw=b.cssProps[bz]||bz;if(b←D!=L){bC=typeof bD;if(bC==="string"&&(bB=l.exec(bD))){bD=(+(bB[1]+1)*+bB[2])+parseFloat(b.css(bx, bw));bC="number"}if(bD===null||bC==="number"&&isNaN(bD)){return}if(bC==="number"&&!b.css←Number[bz]){bD+="px"}if(!bE||!("set"in bE)||bD=bE.set(bx, bD))){try{bv[bw]=bD}catch(bA){}}else{if(bE &&"get"in bE &&(bB=bE.get(bx, false, by))!=L){return bB}return bv[bw]}}, css:function(by, bx, bv){var bw, e;bx=b.camelCase(bx);e=b.cssHooks[bx];bx=b.cssProps[bx]||bx;if(bx==="cssFloat"){bx="float"}if(e &&"get"in e &&(bw=e.get(by, true, bv))!=L){return bw}else{if(Z){return Z(by, bx)}}}, swap:function(bx, bw, by){var e={};for(var bv in bw){e[bv]=bx.style[bv];bx.style[bv]=bw[bv]}by.call(bx);for(bv in bw){bx.style[bv]=e[bv]}})

4.2.1.4 if (av.documentElement. *currentStyle*)

4.2.1.5 if (av.defaultView &&av.defaultView. *getComputedStyle*)

4.2.1.6 if (b.expr && b.expr. *filters*)

4.2.1.7 if (!b.support. *opacity*)

4.2.1.8 function p (by, bw, bv)

4.2.2 Variable Documentation

4.2.2.1 `var aD = /^(.*?):[\t]*([^\r\n]*)\r?$ /mg`

```
4.2.2.2 var aM=/^(?:about|app|app-storage|.+\\-extension|file|res|widget):$/
```

4.2.2.3 var ap = ^[\]\$/

4.2.2.4 `var aQ = /^(?:GET|HEAD)$/`

```
4.2.2.5 var au =/opacity=([\^]*)*/z=/(A-Z)^\ms)/g,bc=/^-?d+(?:px)?$/i,bn=/^\-?d\./i,l=/(\\+)=/(\\+\\.de+),a7={position←
:"absolute",visibility:"hidden",display:"block"},an=["Left","Right"],a1=["Top","Bottom"],Z,a,aX
```

```
4.2.2.6 var aZ = /^(?:(color|date|datetime|datetime-
local|email|hidden|month|number|password|range|search|tel|text|time|url|week)$/i
```

4.2.2.7 var b

Initial value:

```

= (function () { var bF=function (b0,b1){return new bF.fn.init (b0,b1,bD) },bU=bb.jQuery,bH=
bb.$,bD,bY=/^ (?: [^<]* (< ([\w\W]+) [^>]* $#! ([\w\W-]* $) ),bM=/ $/,bI=/^ \s+/,bE=/\s+$/,bA=/^< (\w+) \s*\/? (?:<\/
1>)?$/ ,bN=/^ [\ ]+ ([\ ]\s)*$/ ,bW=/^ \[ (?: "[\ ]*\\"/bfrnt|u[0-9a-fA-F]{4}) /g ,bP=/ " "[\ ]*\n r ]*" [true|false|null|-]?d+ (?:
\.\d+)* (?: [?eE] [!+]?d+)?/g ,bJ=/^ : \^1 : / (?: [s\*]!+ /g ,bY=/ (webkit) [ \ /] ([\w\W]+) ,bR=/ (opera) (?: .*) version) ? [
\ /] ([\w\W]+) / ,bQ=/ (msie) ([\w\W]+) / ,bS=/ (mozilla) (?: .? rv: ([\w\W]+) ) ? / ,bB=/- ([a-z] | [0-9]) /ig ,bZ=/^ -ms- / ,bT=
function (b0,b1){return (b1+"" ).toUpperCase () },bX=bU.userAgent,bV,bC,e,bL=Object.prototype.toString,bG=Object.
prototype.hasOwnProperty,bz=Array.prototype.push,bK=Array.prototype.slice,bO=String.prototype.trim,bv=Array.
prototype.indexOf,bx={};bF.fn=bF.prototype={constructor:bF,init:function (b0,b4,b3){var b2,b5,b1,b6;if (!b0){
return this;}if (b0.nodeType){this.context=this[0]=b0;this.length=1;return this;}if (b0=== "body"&&!b4&&av.body){
this.context=av;this[0]=av.body;this.selector=b0;this.length=1;return this;}if (typeof b0=== "string"){if (b0.
charAt (0)=== "<"&&b0.charAt (b0.length-1)=== ">"&&b0.length>3){b2=[null,b0,null]}else{b2=bY.exec (b0)}if (b2&&(b2[1]
||!b4)){if (b2[1]) {b4=b4 instanceof bF?b4[0]:b4;b6=(b4?b4.ownerDocument|b4:av);b1=bA.exec (b0);if (b1){if (bF.
isPlainObject (b4)) {b0=[av.createElement (b1[1]) ];bF.fn.attr.call (b0,b4,true)}else{b0=[b6.createElement (b1[1]) ]}
}else{b1=bF.buildFragment ([b2[1]],[b6]);b0=(b1.cacheable?bF.clone (b1.fragment):b1.fragment).childNodes}
return bF.merge (this,b0)}else{b5=av.getElementById (b2[2]);if (b5&&b5.parentNode){if (b5.id!==b2[2]){return b3.find (
b0)}this.length=1;this[0]=b5}this.context=av;this.selector=b0;return this;}else{if (!b4||b4.jquery){return (b4
||b3).find (b0)}else{return this.constructor (b4).find (b0)}}}else{if (bF.isFunction (b0)){return b3.ready (b0)}
if (b0.selector!==L){this.selector=b0.selector;this.context=b0.context;return bF.makeArray (b0,this),selector:
" ",jquery:"1.7.1",length:0,size:function () {return this.length},toArray:function () {return bK.call (this,0)},
get:function (b0){return b0===null?this.toArray ():(b0<?this[this.length+b0]:this[b0]) },pushStack:function (b1,b3
,b0){var b2=this.constructor ();if (bF.isArray (b1)){bz.apply (b2,b1)}else{bF.merge (b2,b1)}b2.prevObject=this;b2
.context=this.context;if (b3=== "find") {b2.selector=this.selector+ (this.selector? " "+"")+b0}else{if (b3){b2.
selector=this.selector+" "+b3+" ("+"b0+"") }}return b2},each:function (b1,b0){return bF.each (this,b1,b0)},ready:
function (b0){bF.bindReady ();bC.add (b0);return this},eq:function (b0){b0+=b0;return b0===-1?this.slice (b0):this.
slice (b0,b0+1)},first:function () {return this.eq (0)},last:function () {return this.eq (-1)},slice:function () {
return this.pushStack (bK.apply (this,arguments),"slice",bK.call (arguments).join (""))},map:function (b0){return
this.pushStack (bF.map (this,function (b2,b1){return b0.call (b2,b1,b2)})),end:function () {return this.prevObject|
this.constructor (null)},push:bz,sort:[].sort,splice:[].splice};bF.fn.init.prototype=bF.fn;bF.extend=bF.fn.
extend=function () {var b9,b2,b0,b1,b6,b7,b5=arguments[0]||{} ,b4=b1,b3=arguments.length,b8=false;if (typeof b5===
 "boolean") {b8=b5;b5=arguments[1]||{};b4=2}if (typeof b5!=="object"&&!bF.isFunction (b5)) {b5={}}if (b3===b4){b5=
this;--b4}for (;b4<b3;b4++) {if (b9=arguments[b4]!&null){for (b2 in b9){b0=b5[b2];b1=b9[b2];if (b5===b1){

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continue;if(b8&b1&&(bF.isPlainObject(b1)||b6=bF.isArray(b1)))if(b6){b6=false;b7=b0&&bF.isArray(b0)?b0:[];else{
b7=b0&&bF.isPlainObject(b0)?b0:[];b5[b2]=bF.extend(b8,b7,b1);elseif(b1===L){b5[b2]=b1}};returnb5};bF.
extend({noConflict:function(b0){if(bb.$===bF){bb.$=bF;if(b0&&bb.jQuery===bF){bb.jQuery=bU;returnbF},isReady:
false,readyWait:1,holdReady:function(b0){if(b0){bF.readyWait++;}else{bF.ready(true)}},ready:function(b0){if(b0
===true&&!--bF.readyWait)||b0===true&&!bF.isReady){if(!bF.body){returnsetTimeout(bF.ready,1)}bF.isReady=
true;if(b0===true&&!--bF.readyWait>0){returnbC.fireWith(av,[bF]);if(bF.fn.trigger){bF(av).trigger("ready").
off("ready")}}},bindReady:function(){if(bC){returnbC=bF.Callbacks("once memory");if(av.readyState==="complete"
){returnsetTimeout(bF.ready,1)}if(av.addEventListener){av.addEventListener("DOMContentLoaded",e,false);
bb.addEventListener("load",bF.ready,false)}elseif(av.attachEvent){av.attachEvent("onreadystatechange",e);
bb.attachEvent("onload",bF.ready);varb0=false;try{b0=bb.frameElement==null}catch(b1){if(av.
documentElement.doScroll&&b0){bw()}}}},isFunction:function(b0){returnbF.type(b0)===function"},isArray:Array.isArray||
function(b0){returnbF.type(b0)===array"},isWindow:function(b0){returnb0&&typeofb0===object&&setInterval"
inb0},isNumeric:function(b0){return!isNaN(parseFloat(b0))&&isFinite(b0)},type:function(b0){returnb0==
null?String(b0):bx[bL.call(b0)]||"object"},isPlainObject:function(b2){if(!b2|bF.type(b2)!=="object"|b2.
nodeType|bF.isWindow(b2)){returnfalse}try{if(b2.constructor&&bG.call(b2,"constructor")&&bG.call(b2.constructor
.prototype,"isPrototypeOf")){returnfalse}catch(b1){returnfalse}varb0;for(b0inb2){returnb0===
L|bG.call(b2,b0)},isEmptyObject:function(b1){if(varb0inb1){returnfalse}returntrue},error:function(b0
){thrownewError(b0)},parseJSON:function(b0){if(typeofb0!=="string"||!b0){returnnull;b0=bF.trim(b0);if(
bb.JSON&&bb.JSON.parse){returnbb.JSON.parse(b0)}if(bN.test(b0.replace(bW,"@").replace(bP,"").replace(bJ,"
"))){return(newFunction("return"+b0))().bF.error("Invalid JSON: "+b0)},parseXML:function(b2){varb0,b1;try
{if(bb.DOMParser){b1=newDOMParser();b0=b1.parseFromStream(b2,"text/xml")}else{b0=newActiveXObject("
Microsoft.XMLDOM");b0.async="false";b0.loadXML(b2)}catch(b3){b0=L;if(!b0|!b0.documentElement|b0.
getElementsByNameTagName("parsererror").length){bF.error("Invalid XML: "+b2)}returnb0},noop:function(){},globalEval:function(b0){
if(b0&&bM.test(b0)){(bb.execScript||function(b1){bb["eval"].call(bb,b1)})(b0)}},camelCase:function(b0){
returnb0.replace(bZ,"ms-").replace(bB,bT)},nodeName:function(b1,b0){returnb1.nodeName&&b1.nodeName.
toUpperCase()===b0.toUpperCase()},each:function(b3,b6,b2){varb1,b4=0,b5=b3.length,b0=b5===
L|bF.isFunction(b3);if(b2){if(b0){for(b1inb3){if(b6.apply(b3[b1],b2)===false){break}};elsefor(;b4<b5;){
if(b6.apply(b3[b4++],b2)===false){break}}}}elseif(b0){for(b1inb3){if(b6.call(b3[b1],b1,b3[b1])===false){
break}};elsefor(;b4<b5;){if(b6.call(b3[b4],b4,b3[b4++])===false){break}}}}returnb3},trim:b0?function(b0){
returnb0===null?"":b0.call(b0)}:function(b0){returnb0===null?"":b0.toString().replace(bI,"").replace(bE,"")},
makeArray:function(b3,b1){varb0=b1||[];if(b3!=null){varb2=bF.type(b3);if(b3.length==null|b2==="string"|b2
==="function"|b2==="regexp"|bF.isWindow(b3)){bZ.call(b0,b3)}else{bF.merge(b0,b3)}returnb0},isArray:
function(b2,b3,b1){varb0;if(b3){if(bv){returnbv.call(b3,b2,b1)}b0=b3.length;b1=b1?b1<0?Math.max(0,b0+b1):b1:0;
for(;b1<b0;b1++){if(b1inb3&&b3[b1]===b2){returnb1}}return-1},merge:function(b4,b2){varb3=b4.length,b1=0
;if(typeofb2.length==="number"){for(varb0=b2.length;b1<b0;b1++){b4[b3++] =b2[b1]};elsewhile(b2[b1]!==
L){b4[b3++] =b2[b1++]}b4.length=b3;returnb4},grep:function(b1,b6,b0){varb2=[],b5=b0?!b0;for(varb3=b0,b4=
b1.length;b3<b4;b3++){b5=!b6(b1[b3],b3);if(b0!=b5){b2.push(b1[b3])}returnb2},map:function(b0,b7,b8){var
b5,b6,b4=[],b2=0,b1=b0.length,b3=b0instanceofbF|b1===L&&typeofb1==="number"&&((b1>0&&b0[0]&&b0[b1-1])|
b1===0|bF.isArray(b0));if(b3){for(;b2<b1;b2++){b5=b7(b0[b2],b2,b8);if(b5!=null){b4[b4.length]=b5}};elsefor(
b6inb0){b5=b7(b0[b6],b6,b8);if(b5!=null){b4[b4.length]=b5}}returnb4.concat.apply([],b4)},guid:1,proxy:
function(b4,b3){if(typeofb3==="string"){varb2=b4[b3];b3=b4;b4=b2;if(!bF.isFunction(b4)){return
L}varb0=bK.call(arguments,2),b1=function(){returnb4.apply(b3,b0.concat(bK.call(arguments)))};b1.guid=b4.
guid=b4.guid|b1.guid|bF.guid++;returnb1},access:function(b0,b8,b6,b2,b5,b7){varb1=b0.length;if(typeofb8
==="object"){for(varb3inb8){bF.access(b0,b3,b8[b3],b2,b5,b6)}returnb0;if(b6!==
L){b2!=b7&&b2&&bF.isFunction(b6);for(varb4=0;b4<b1;b4++){b5=b0[b4],b8,b2?b6.call(b0[b4],b4,b5(b0[b4],b8)):
b6,b7)}returnb0}returnb1?b5(b0[0],b8):L},now:function(){return(newDate()).getTime()},uaMatch:function(b1)
{b1=b1.toLowerCase();varb0=by.exec(b1)||bR.exec(b1)||bQ.exec(b1)||b1.indexOf("compatible")<0&&bS.exec(b1)||
[];return{browser:b0[1]||"",version:b0[2]||"0"},sub:function(b0,b3,b4){functionb0(b3,b4){functionnewb0.fn.init(b3,
b4){bF.extend(true,b0,this);b0.superclass=this;b0.fn=b0.prototype=this;b0.fn.constructor=b0;b0.sub=this.
sub;b0.fn.init=functionb2(b3,b4){if(b4&&b4instanceofbF&&!(b4instanceofb0)){b4=b0(b4)}returnbF.fn.init.
call(this,b3,b4,b1);b0.fn.init.prototype=b0.fn;varb1=b0(av);returnb0},browser:{}};bF.each("Boolean Number
String Function Array Date RegExp Object".split(" "),function(b1,b0){bx["[object "+b0+"]"]=b0.toLowerCase()
});bv=bF.uaMatch(bX);if(bv.browser){bF.browser[bv.browser]=true;bF.browser.version=bv.version;if(bF.browser.
webkit){bF.browser.safari=true}if(bM.test("\xA0")){bT=/^\s*\xA0+$/;bE=/^\s*\xA0+$|/;bD=bF(av);if(av.
addEventListener){e=function(){av.removeEventListener("DOMContentLoaded",e,false);bF.ready();}else{if(av.attachEvent){
e=function(){if(av.readyState==="complete"){av.detachEvent("onreadystatechange",e);bF.ready();}}returnbw
(e){if(bF.isReady){return}try{av.documentElement.doScroll("left")}catch(b0){setTimeout(bw,1)}functionbF.ready(
){returnbF()}(e);vara2={};functionX(e){varbv=a2[e]={},bw,bx;e=e.split(/\s+/);for(bw=0,bx=e.length;bw<bx;bw
++){bv[e[bw]]=true}returnbv}.Callbacks(function(bw){bw=bw?b4[bw]:X(bw)}:);varbB=[],bC=[],bx,by,bv,bz,
bA,bE=function(bG,bF){varbG,bJ,bI,bH,bK;for(bG=0,bJ=bF.length;bG<bJ;bG++){bI=bF[bG];bH=
b.type(bI);if(bH==="array"){bE(bI)}elseif(bH==="function"){if(!bw.unique||!bD.has(bI)){bB.push(bI)}}},e=
function(bG,bF){bF=bF||[];bx=!bw.memory||[bG,bF];by=true;bA=bv||0;bv=0;bz=bB.length;for(;bB&&bA<bz;bA++){if(
bB[bA].apply(bG,bF)===false&&bW.stopOnFalse){by=false;break;if(bB){if(bI.once){if(bC&&bC.length){
bx=bC.shift();bD.fireWith(bx[0],bx[1])}}elseif(bx===true){bD.disable()}else{bB=[]}}},bD={add:function(){if(
bB){varbF=bB.length;bE(arguments);if(bY){bz=bB.length}if(bx&&bX!==true){bv=bF;e(bx[0],bx[1])}return
this},remove:function(){if(bB){varbF=arguments,bH=0,bI=bF.length;for(;bH<bI;bH++){if(bvarbG<bB.length
;bG++)if(bF[bH]===bB[bG]){if(bY){if(bG<bz){bz--;if(bG<bA){bA--}}bB.splice(bG--,1)}if(bw.unique){break}}
}returnthis},has:function(bG){if(bB){varbF=b0,bH=bB.length;for(;bF<bH;bF++){if(bG===bB[bF]){returntrue}}
returnfalse},empty:function(){bB=[];returnthis},disable:function(){bB=bC=bx=L;returnthis},disabled:
function(){return!bB},lock:function(){bC=L;if(!bx|bx===true){bD.disable()}returnthis},locked:function(){
return!bC},fireWith:function(bG,bF){if(bC){if(bY){if(!bw.once){bC.push([bG,bF])}elseif(!bw.once&&bX){e(bG,bF)
}}returnthis},fire:function(){bD.fireWith(this,arguments);returnthis},fired:function(){return!bx}};
returnbD};varaJ=[].slice;b.extend({Deferred:function(bY){varbx=b.Callbacks("once memory"),bw=
b.Callbacks("once memory"),bv=b.Callbacks("memory"),e="pending",bA={resolve:bx,reject:bw,notify:bv},bC={
done:bx.add,fail:bw.add,progress:bv.add,state:function(){returne},isResolved:bx.fired,isRejected:bw.fired,then:
function(bE,bD,bF){bB.done(bE).fail(bD).progress(bF);returnthis},always:function(){bB.done.apply(bB,
arguments).fail.apply(bB,arguments);returnthis},pipe:function(bF,bE,bD){returnb.Deferred(function(bG){
b.each({done:[bF,"resolve"],fail:[bE,"reject"],progress:[bD,"notify"]},function(bI,bL){varbH=bL[0],bK=bL[1
],bJ;if(bI.isFunction(bH)){bB[bI](function(){bD=bH.apply(this,arguments);if(bJ&&bI.isFunction(bJ.promise){bJ.
promise().then(bG.resolve,bG.reject,bG.notify)}else{bG[bK+"With"](this===bB?bG:this,[bJ])}})}else{bB[bI](bG[
bK])}}).promise(),promise:function(bE){if(bE==null){bE=bC}elsefor(varbDinbC){bE[bD]=bC[bD]}returnbE
},bB=bC.promise({}),bz;for(bzinbA){bB[bz]=bA[bz].fire;bB[bz+"With"]=bA[bz].fireWith;bB.done(function(){e=
"resolved"},bw.disable,bv.lock).fail(function(){e="rejected"},bx.disable,bv.lock);if(bY){by.call(bv,bB)
returnbB},when:function(bA){varbx=aJ.call(arguments,0),bv=0,e=bx.length,bB=newArray(e),bw=e,by=e,bC=e<1&&bA&
&bB.isFunction(bA.promise)?bA:b.Deferred(),bE=bC.promise();functionbD(bF){returnfunction(bG){bx[bF]=
arguments.length>1?aJ.call(arguments,0):bG;if(!(--bv)){bC.resolveWith(bC,bx)}}functionbz(bF){returnfunction(bG){
bB[bF]=arguments.length>1?aJ.call(arguments,0):bG;bC.notifyWith(bE,bB)}if(e>1){for(;bv<e;bv++){if(bx[bv]&&

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[...].promise&&$.isFunction(bx[bv].promise)) {bx[bv].promise().then((bd(bv), bC.reject, bz(bv)))} else {--bw)} if (!
bw) {bC.resolveWith((bC, bx))} else {if (bC!=="a") {bC.resolveWith((bC, e[ba]: []))} return bE}};
b.support=(function() {var bj,bt,bf,bg,bx,bE,bA,bD,bz,bK,bB,bv,bw,bv=av.createElement("div"), bH=av.
documentElement;bv.setAttribute("className","t");bv.innerHTML="<link/><table/></table><a href='/a'
style='top:1px;float:left;opacity:.55;/>a<input type='checkboxbox' />";bI=bv.getElementsByTagName("*");bF=bv.
getElementsByTagName("a") [0];if (!bI||!bI.length||!bF) {return} }bG=av.createElement("select");bx=bG.appendChild(av.
createElement("option"));bE=bv.getElementsByTagName("input") [0];bJ={leadingWhitespace:(bv.firstChild.nodeType===3),
tbody:1bv.getElementsByTagName("tbody").length,htmlSerialize:1bv.getElementsByTagName("link").length,style:/
tbody.test(bF.getAttribute("style")),hrefNormalized:(bF.getAttribute("href")=="a"),opacity:/^0.55/.test(bF.
style.opacity),cssFloat:!!bF.style.cssFloat,checkOn:(bE.value=="on"),optSelected:bx.selected,getAttribute:
bv.className=="t",enctype:1!av.createElement("form").enctype,html5Clone:av.createElement("nav").cloneNode(
true).outerHTML=="<nav></nav>";submitBubbles:true,changeBubbles:true,focusinBubbles:false,deleteExpando:
true,noCloneEvent:true,inlineBlockNeedsLayout:false,shrinkWrapBlocks:false,reliableMarginRight:true};bE.
checked=true;bJ.noCloneChecked=bE.cloneNode(true).checked;bG.disabled=true;bJ.optDisabled=bx.disabled;try{delete
bv.test}catch(bC){bJ.deleteExpando=false}if (!bv.addEventListener&&bv.attachEvent&&bv.fireEvent){bv.
attachEvent("onclick",function() {bJ.noCloneEvent=false});bv.cloneNode(true).fireEvent("onclick")}bE=av.createElement
("input");bE.value="t";bE.setAttribute("type","radio");bJ.radioValue=bE.value=="t";bE.setAttribute("checked
","checked");bv.appendChild(bE);bD=av.createDocumentFragment();bD.appendChild(bv.lastChild);bJ.checkClone=bD
.cloneNode(true).cloneNode(true).lastChild.checked;bJ.appendChecked=bE.checked;bD.removeChild(bE);bD.
appendChild(bv);bv.innerHTML="";if (bb.getComputedStyle) {bA=av.createElement("div");bA.style.width="0";bA.style.
marginRight="0";bv.style.width="2px";bv.appendChild(bA);bJ.reliableMarginRight=(parseInt((
bb.getComputedStyle(bA,null)||{marginRight:0}).marginRight,10)||0)==0}if (bv.attachEvent){for (by in {submit
:1,change:1,focusin:1}) {bB="on"+by;bW=(bB in bv);if (!bW) {bv.setAttribute(bB,"return");}bW=(typeof bv[bB]=="
function") }bJ["Bubbles"]=bW};bD.removeChild(bv);bD=bG.bx=bA=bv=bE=null;b (function() {var bM,bU,bV,bT,bN,bO
,bL,bS,bR,e,bP,bQ=av.getElementsByTagName("body") [0];if (!bQ) {return}bL=1;bS="
position:absolute;top:0;left:0;width:1px;height:1px;margin:0;";bR="visibility:hidden;border:0;";e="style='"+bS+"border:
#000;padding:0;";bT="div "+e+">>><div></div><table "+e+" cellpadding=0'
cellspacing=0'><tr><td></td></tr></table>";bM=av.createElement("div");bM.style.cssText=bR+"width:0;height:0;position:
px";bQ.insertBefore(bM,bQ.firstChild);bv=av.createElement("div");bM.appendChild(bv);bv.innerHTML="
"><table><tr><td style='padding:0;border:0;display:none;'><td><td><td></td></tr></table>";bz=bv.getElementsByTagName("td")
;bw=(bz[0].offsetHeight===0);bz[0].style.display="";bz[1].style.display="none";bJ.reliableHiddenOffsets=bw&&
(bz[0].offsetHeight===0);bv.innerHTML="";bv.style.width=bv.style.paddingLeft="1px";
b.boxModel=bJ.boxModel=bv.offsetWidth===2;if (typeof bv.style.zoom!="undefined") {bv.style.display="inline";
bv.style.zoom=1;bJ.inlineBlockNeedsLayout=(bv.offsetWidth===2);bv.style.display="";bv.innerHTML="<div
style='width:4px;'></div>";bJ.shrinkWrapBlocks=(bv.offsetWidth!=2)}bv.style.cssText=bS+bR;bv.innerHTML=bP;bU=bv.
firstChild;bV=bU.firstChild;bN=bU.nextSibling.firstChild.firstChild;bO={doesNotAddBorder:(bv.offsetTop!=5),
doesAddBorderForTableAndCells:(bN.offsetTop===5)};bv.style.position="fixed";bV.style.top="20px";bO.
fixedPosition=(bV.offsetTop===20||bV.offsetTop===15);bV.style.position=bV.style.top="";bU.style.overflow="hidden";bU.
style.position="relative";bO.subtractBorderForOverflowNotVisible=(bv.offsetTop===5);bO.
doesNotIncludeMarginInBodyOffset=(bQ.offsetTop!=bL);bQ.removeChild(bM);bv=bM=null;b.extend(bJ,bO)};return bJ)}()};var a
[*])|["*"]$/s,AA="/([A-Z])/g".b.extend({cache:{}},uid:0,expando:"jQuery"+(b.fn.jquery+Math.random()*1).replace
(/./g,"."),noData:{embed:true,object:"clsid:D27CDB6E-AE6D-11cf-96B8-444553540000",applet:true},hasData:
function(e){e=e.nodeType?b.cache[e[b.expando]]:e[b.expando];return !e&&S(e)},data:function(bx,bv,bz,by){if (!
b.acceptData(bx)) {return}var bG,bA,bD,bE=b.expando,bC=typeof bv=="string",bF=bx.nodeType,e=bF?
b.cache[bx,bw=bF?bx[bE]:bx[bE]&&bE,bB=bv=="events";if (!bW||!e[bW]||(!bB&&by&&e[bW].data)&&bC&&bz===
L){return}if (!bW){if (bF){bx[bE]=bw++b.uid}else{bw=bE}if (!e[bW]){e[bW]={};if (!bF){e[bW].toJSON=
b.noop}}if (typeof bv=="object") {typeof bv=="function"}(if (by){e[bW].b.extend(e[bW],bv)}else{e[bW].data=
b.extend(e[bW].data,bv)};bG=bA=e[bW];if (!bY){if (!bA.data){bA.data={};bA.data[bF?bE:""]={};if (bz!
=L){bA[b.camelCase(bv)]=bz;if (bB&&!bA[bv]){return bG.events}if (bC){bD=bA[bv];if (bD==null){bD=bA[
b.camelCase(bv)]}}else{bD=bA}return bD},removeData:function(bx,bv,by){if (!b.acceptData(bx)) {return}var bB,
bA,bC=bC=bv,bD=bx.nodeType,e=bD?b.cache[bx,bw=bD?bx[bC]:bC]:bC;if (!e[bW]) {return}if (bB=bE[bW].e[bW].
data;if (bB){if (!b.isArray(bv)) {if (bv in bB){bv=[bv]}else{bv=b.camelCase(bv);if (bv in bB){bv=[bv]}else{bv=bv.
split(" ")} }for (bA=bO,bz=bv.length;bA<bz;bA++) {delete bB[bv[bA]]}if (!bY?S:b.isEmptyObject)(bB) ) {return} }if
(!bY){delete e[bW].data;if (!S(e[bW])) {return} }if (b.support.deleteExpando||!e.setInterval){delete e[bW]}else{
e[bW]=null}if (bD){if (b.support.deleteExpando){delete bx[bC]}else{if (bx.removeAttribute){bx.removeAttribute(
bC)}else{bx[bC]=null}}},_data:function(bv,e,bw){return b.data(bv,e,bw,true)},acceptData:function(bv){if (bv.
noDataName){var e=b.noData[bv.noDataName.toLowerCase()];if (e){return !e===true}bv.setAttribute("classid")=="e)}
{return true}});b.fn.extend({data:function(bv,bA){var bB,e,bw,bz=null;if (typeof bv=="undefined") {if (this.
length){bz=b.data(this[0]);}if (this[0].nodeType===1&&b._data(this[0],"parsedAttrs")){e=this[0].attributes;for (
var bx=0,bv=e.length;bx<bv;bx++) {bw=e[bx].name;if (bw.indexOf("data-")==0){bw=b.camelCase(bw.substring(5));
a5(this[0],bw,bz[bw]) }b._data(this[0],"parsedAttrs",true)} }return bz}else{if (typeof bv=="object") {return
this.each(function() {b.data(this,bv)}) } }bB=bv.split(".");bB[1]=bB[1]?"+bB[1]":"";if (bA===
L){bz=this.triggerHandler("getData"+bB[1]+"!");bB[0]};if (bz===L&&this.length){bz=
b.data(this[0],bv);bz=a5(this[0],bv,bz)}return bz===L&&bB[1]?this.data(bB[0]):bz}else{return this.
each(function() {var bC=b(this),bD=[bB[0],bA];bC.triggerHandler("setData"+bB[1]+"!",bD)});
b.data(this,bv,bA);bC.triggerHandler("changeData"+bB[1]+"!",bD)} }},removeData:function(e){return this.
each(function() {b.removeData(this,e)}) } } };function a5(bx,bw,by){if (by===L&&bx.nodeType===1){var bv="data-+
bw.replace(AA,"-51").toLowerCase();by=bw.getAttribute(bv);if (typeof by=="string") {try{by=by=="true"?true:
by=="false"?false:by===null?null:b.isNumeric(by)?parseFloat(by):aS.test(by)?b.parseJSON(by):by}catch(bz){}
b.data(bx,bw,by)}else{by=L}return by}function S(bv){for (var e in bv){if (e=="data"&&
b.isEmptyObject(bv[e])) {continue}if (e!="toJSON") {return false}return true}function bi(by,bx,bA){var bw=bx
+ "defer",bv=bx+"queue",e=bx+"mark",bz=b._data(bx,bw);if (bz&&(bA=== "queue"||!b._data(bv,bv))&&(bA=== "mark"||!
b._data(bv,e))){setTimeout(function(){if (!b._data(bv,bv)&&!b._data(bv,e)){b.removeData(bv,bw,true);bz.fire(
{}),0} }b.extend({_mark:function(bv,e){if (bv){e[e]+"fx"}+ "mark";b._data(bv,e,b._data(bv,e)||0+1)}},
_unmark:function(bv,bx,bv){if (bv){bv=bv+bx;by=bv}if (bv){bv=bv+"fx";var e=bv+"mark",bw=bv?((b._data
(bx,e)||1)-1);if (bw){b._data(bx,e,bw)}else{b.removeData(bx,e,true);bi(bx,bv,"mark") } }},queue:function(bv,e,
bx){var bw;if (bv){e=(e+"fx")+"queue";bw=b._data(bv,e);if (bw){if (!bW||b.isArray(bx)) {bw=
b._data(bv,e,b.makeArray(bx))}else{bw=bw+bx}}return bw[1]||[]},dequeue:function(bv,bx){bx=bx||"fx";var bv=
b.queue(bv,bx),bw=bv.shift(),e={};if (bw=="inprogress") {bw=bv.shift()}if (bw){if (bx=="fx") {bv.unshift("
inprogress") }b._data(bv,bx+"run").e}.bw.call(bv,function() {b.dequeue(bv,bx)},e)}if (!bv.length){
b.removeData(bv,bx+"queue","bx+"run",true);bi(bv,bx,"queue") } } } }b.fn.extend({queue:function(e,bv){if (
typeof e!="string") {bv=e;e="fx"}if (bv===L){return b.queue(this[0],e)}return this.
each(function() {var bw=b.queue(this,e,bv);if (e=="fx"&&bW[0]!="inprogress") {b.dequeue(this,e)} } },dequeue:
function(e){return this.each(function() {b.dequeue(this,e)} ) },delay:function(bv,e){bv=
b.fx?b.fx.speeds[bv]||bv:bv;e=e||"fx";return this.queue(e,function(bx,bv){var by=setTimeout(bx,bv);bw.stop=
function() {clearTimeout(bv)} } },clearQueue:function(e){return this.queue(e||"fx",[]),promise(function(bD,bw)
){if (typeof bD!="string") {bD=bD;bD=L;bD=bD||"fx";var e=b.Deferred(),bv=this,bv=bv.length,bB=1,bz=bD+"defer"

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undefined") {return bR.getElementsByTagName(e[1])}}},preFilter:(CLASS:function(bT,bR,bS,e,bW,bX){bT=" "
+bT[1].replace(bK,"")+" ";if(bX){return bT}for(var bU=0,bV;(bV=bR[bU])!=null;bU++){if(bV){if(bW^(bV.className&&("
"+bV.className+" ").replace(/\t\n\r/g," "
).indexOf(bT)>=0)){if(!bS){e.push(bV)}}else{if(bS){bR[bU]=false}}}}return false},ID:function(e){return e[1].replace(bK,"
").toLowerCase()},CHILD:function(e){if(e[1]!="nth"){if(!e[2]){by.error(e[0])}e[2]=e[2].replace(/^+|\s+/,g,""
)}var bR=/(?)(\d*)(?n([+|-]?d*))?/.exec(e[2])=="even"&&"2n"||e[2]!="odd"&&"2n+1"||!/\/.test(e[2])&&"0n+"
+e[2]||e[2];e[2]=(bR[1]+(bR[2]||1))-0;e[3]=bR[3]-0}else{if(e[2]){by.error(e[0])}e[0]=bI++;return
e},ATTR:function(bU,bR,bS,e,bV,bW){var bT=bU[1]=bU[1].replace(bK,""
);if(!bW&&bE.attrMap[bT]){bU[1]=bE.attrMap[bT]}bU[4]=(bU[4]||bU[5]||"").replace(bK,"");if(bU[2]!="~="){bU[4]=" "+bU[4]
bU},PSEUDO:function(bU,bR,bS,e,bV){if(bU[1]!="not"){if((bH.exec(bU[3])||"").length>1||/^w
/.test(bU[3])){bU[3]=by(bU[3],null,null,bR)}else{var bT=by.filter(bU[3],bR,bS,true^bV);if(!bS){e.push.apply(e,bT)}return
false}}else{if(bE.match.POS.test(bU[0])||bE.match.CHILD.test(bU[0])){return true}}return bU},POS:function(e){e.unshift
e}},filters:{enabled:function(e){return e.disabled===false&&e.type!="hidden"},disabled:function(e){return
e.disabled===true},checked:function(e){return
e.checked===true},selected:function(e){if(e.parentNode){e.parentNode.selectedIndex}return e.selected===true},parent:fun
!e.firstChild},has:function(bS,bR,e){return !!by(e[3],bS).length},header:function(e){return (/h\d
/i).test(e.nodeName)},text:function(bS){var e=bS.getAttribute("type"),bR=bS.type;return bS.nodeName.toLowerCase()!="inp
"text"===bR&&(e===bR||e===null)},radio:function(e){return e.nodeName.toLowerCase()!="input"&&"radio"
===e.type},checkbox:function(e){return e.nodeName.toLowerCase()!="input"&&"checkbox"
===e.type},file:function(e){return e.nodeName.toLowerCase()!="input"&&"file"===e.type},password:function(e){return
e.nodeName.toLowerCase()!="input"&&"password"===e.type},submit:function(bR){var e=bR.nodeName.toLowerCase();return(e=
||e=="button")&&"submit"===bR.type},image:function(e){return e.nodeName.toLowerCase()!="input"&&"image"
===e.type},reset:function(bR){var e=bR.nodeName.toLowerCase();return(e=="input"||e=="button")&&"reset"
===bR.type},button:function(bR){var e=bR.nodeName.toLowerCase();return e=="input"&&"button"===bR.type||e=="button"
},input:function(e){return (/input|select|textarea|button/i).test(e.nodeName)},focus:function(e){return
e===e.ownerDocument.activeElement}},setFilters:{first:function(bR,e){return e===0},last:function(bS,bR,e,bT){return
bR===bT.length-1},even:function(bR,e){return e%2===0},odd:function(bR,e){return
e%2===1},lt:function(bS,bR,e){return bR<e[3]-0},gt:function(bS,bR,e){return bR>e[3]-0},nth:function(bS,bR,e){return
e[3]-0===bR},eq:function(bS,bR,e){return e[3]-0===bR}},filter:{PSEUDO:function(bS,bX,bW,bY){var
e=bX[1],bR=bE.filters[e];if(bR){return bR(bS,bW,bX,bY)}else{if(e=="contains"){return bS.textContent||bS.innerText||bW
).indexOf(bX[3])>=0}else{if(e=="not"){var bT=bX[3];for(var bV=0,bU=bT.length;bV<bU;bV++){if(bT[bV]===bS){return
false}}return true}else{by.error(e)}}}},CHILD:function(bS,bU){var
bT,b0,bW,bZ,e,bV,bY,bX=bU[1],bR=bS;switch(bU){case"only":case"first":while((bR=bR.previousSibling)){if(bR.nodeType===1
){return true}bR=bS;case"last":while((bR=bR.nextSibling)){if(bR.nodeType===1){return false}}return true;case"nth"
):bT=bU[2];b0=bU[3];if(bT===1&&b0===0){return
true}bW=bU[0];bZ=bS.parentNode;if(bZ&&(bZ[bT]!==bW||!bS.nodeTypeIndex
){bV=0;for(bR=bZ.firstChild;bR;bR=bR.nextSibling){if(bR.nodeType===1){bR.nodeTypeIndex++bV}bZ[bC]=bW}bY=bS.nodeTypeIndex-b0;i
bR.nodeType===1&&bR.getAttribute("id")===e},TAG:function(bR,e){return(e=="*"
&&bR.nodeType===1)||!bR.nodeName&&bR.nodeName.toLowerCase()===e},CLASS:function(bR,e){return(" "+(bR.className||bR.get
).indexOf(e)>-1),ATTR:function(bV,bT){var
bS=bT[1],e=by.attr?by.attr(bV,bS):bE.attrHandle[bS]?bE.attrHandle[bS](bV):bV[bS]!=""?bV[bS]:bV.getAttribute(bS),bW=e-
e=bU[4],attr?e!=null:bU===""?bW===bR:bU===""?bW.indexOf(bR)>=0:bU===""?bW.indexOf(bR)>=0:bU===""?bW.indexOf(bR)>=0:bU===""?bW
bW===bR||bW.substr(0,bR.length+1)===bR+"-":false},POS:function(bU,bR,bS,bV){var
e=bR[2],bT=bE.unshift(bZ);bZ=bZ.parentNode;bZ=bW;while(bZ){e.unshift(bZ);bZ=bZ.parentNode}bV=bS.length;bR=e.length;
bT=0;bT<bV&&bT<bR;bT++}{if(bS[bT]!==e[bT]){return bG(bS[bT],e[bT])}}return bT===bV?bG(bY,e[bT],-1):bG(bS[bT],bX,1)};bG
bS}var bT=bR.nextSibling;while(bT){if(bT===e){return -1}bT=bT.nextSibling}return 1}(function(){var
bR=av.createElement("div"),bS="script"+(new Date()).getTime(),e=av.documentElement;bR.innerHTML="<a name=' "+bS+" ' />"
,e.insertBefore(bR,e.firstChild);if(av.getElementById(bS)){bE.find.ID=function(bU,bV,bW){if(typeof
bV.getElementById!="undefined"&&bW){var bT=bV.getElementById(bU[1]);return bT?bT.id===bU[1]||typeof
bT.getAttributeNode!="undefined"&&bT.getAttributeNode("id").nodeValue===bU[1]?[bT]:[]};bE.filter.ID=function(bV,bT)
bU=typeof bV.getAttributeNode!="undefined"&&bV.getAttributeNode("id")};return
bV.nodeType===1&&bU&&bU.nodeValue===bT)e.removeChild(bR);e=bR=null}());(function(){var e=av.createElement("div"
).appendChild(av.createComment(""));if(e.getElementsByTagName("*").length>0){bE.find.TAG=function(bR,bV){var
bU=bV.getElementsByTagName(bR[1]);if(bR[1]!="*"){var bT=[];for(var
bS=0;bU[bS];bS++){if(bU[bS].nodeType===1){bT.push(bU[bS])}bU=bT}return bU}e.innerHTML="<a href=' #'></a>";if(e.firstC
&&e.firstChild).setAttribute("href")=="#"){bE.attrHandle.href=function(bR){return bR.getAttribute("href"
,2)}e=null}());if(av.querySelectorAll){(function(){var e=by,bT=av.createElement("div"),bS="__sizzle__"
;bT.innerHTML="<p class='TEST'></p>";if(bT.querySelectorAll&&bT.querySelectorAll("p.TEST"
).length===0){bE.filter.by=function(b4,bV,bZ,b3){bV=bV||av;if(!b3&&!by.isXML(bV)){var b2=/^(\w+$)|\^\.((\w-|+$)|^#((\w-
|$)/.exec(b4);if(b2&&(bV.nodeType===1||bV.nodeType===9)){if(b2[1]){return
bV.bV.getElementsByTagName(b4,bZ)}else{if(b2[2]&&bE.find.CLASS&&bV.getElementsByClassName){return
bF(bV.getElementsByClassName(b2[2]),bZ)}if(bV.nodeType===9){if(b4==="body"&&bV.body){return bF([bV.body],bZ)}else{if
bY=bV.getElementById(b2[3]);if(bY&&bY.parentNode){if(bY.id===b2[3]){return bF([bY],bZ)}else{return bF([],bZ)}}}try{ret
bF(bV.querySelectorAll(b4,bZ)}catch(b0){}else{if(bV.nodeType===1&&bV.nodeName.toLowerCase()!="object"){var
bW=bV,bX=bV.getAttribute("id"),bU=bX||bS,b6=bV.parentNode,b5=/^s*[+~]/.test(b4);if(!bX){bV.setAttribute("id"
,bU)}else{bU=bU.replace(/\/\s+/,g,"")if(b5&&b6){bV=bV.parentNode}try{if(!b5||b6){return bF(bV.querySelectorAll("id=' "+
"+b4,"bZ)}catch(b1){}finally{if(!bX){bW.removeAttribute("id")}}}}return e(b4,bV,bZ,b3)};for(var bR in
e){by[bR]=e[bR]}bT=null}());(function(){var
e=av.documentElement,bS=e.matchesSelector||e.mozMatchesSelector||e.webkitMatchesSelector||e.msMatchesSelector;if(bS){va
),bR=false;try{bS.call(av.documentElement,"test!='$':sizzle"
)}catch(bT){bR=true}by.matchesSelector=function(bW,bY){bY=bY.replace(/\/\s+([^\]]*)\s+\/,g,"='$1'");if(!by.isXML(bW))
(bY)}(var bY=bS.call(bW,bY);if(bV||bU||bW.document&&bW.document.nodeType!==11){return bV}}catch(bX){}}
return by(bY,null,null,[bW]).length>0}());(function(){var e=av.createElement("div");e.innerHTML="<div
class='test e'></div><div class='test'></div>";if(!e.getElementsByClassName||e.getElementsByClassName("e").length===

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firstChild) {bv.removeChild(bv.firstChild)};return this}, clone: function (bv, e) {bv=bv==null?false:bv;e=e==null?bv:e;
return this.map(function () {return b.clone(this,bv,e)}), html: function (bx) {if (bx===L) {return this[0]&&this[0].
nodeType===1?this[0].innerHTML.replace(ag, "") : null} else {if (typeof bx==="string"&&!ae.test(bx)&&(
b.support.leadingWhitespace||!ar.test(bx))&&!ax[(d.exec(bx)||["",""])[1].toLowerCase()]) {bx=bx.replace(R, "
<$1></$2>");try{for(var bw=0,bv=this.length;bw<bv;bw++){if(this[bw].nodeType===1){
b.cleanData(this[bw]).getElementsByName(" *");this[bw].innerHTML=bx}}catch (by) {this.empty().append(bx)}
else{if (b.isFunction(bx)) {this.each(function (bz) {var e=b(this);e.html(bx.call(this,bz,e.html()))}} else{
this.empty().append(bx)}};return this}, replaceWith: function (e) {if (this[0]&&this[0].parentNode) {if (
b.isFunction(e)) {return this.each(function (bx) {var bw=b(this),bv=bw.html();bw.replaceWith(e.call(this,bx,bv
))});if (typeof e!="string") {e=b(e).detach();return this.each(function () {var bw=this.nextSibling,bv=this.
parentNode;b(this).remove();if (bw) {b(bw).before(e)} else {b(bv).append(e)}}} else {return this.length?this.
pushStack(b(b.isFunction(e)?e:(e), "replaceWith", e):this)}, detach: function (e) {return this.remove(e, true)}, domManip:
function (bB, bF, bE) {var bx, by, bA, bD, bC=bB[0], bv=[];if (!b.support.checkClone&&arguments.length===3&&typeof bC
==="string"&&o.test(bC)) {return this.each(function () {b(this).domManip(bB, bF, bE, true)}}} if (
b.isFunction(bC)) {return this.each(function (bH) {var bG=b(this), bB[0]=bC.call(this, bH, bF?bG.html() :
L); bG.domManip(bB, bF, bE)}); if (this[0]) {bD=bC&&bC.parentNode; if (b.support.parentNode&&bD&&bD.nodeType===11&&
bD.childNodes.length===this.length) {bx={fragment:bD};} else {bx=b.buildFragment(bB, this, bv);} bA=bx.fragment; if (
bA.childNodes.length===1) {by=bA=bA.firstChild} else {by=bA.firstChild} if (by) {bF=bF&&
b.nodeName(by, "tr"); for (var bw=0, e=this.length, bz=e-1; bw<e; bw++) {bE.call(bF?ba(this[bw], by):this[bw], bx.
cacheable|| (e>1&&bw<bz)?b.clone(bA, true, true):bA)}; if (bv.length) {b.each(bv, bo)}; return this}; function ba (e, bv
) {return b.nodeName(e, "table")?(e.outerHTML=bv.outerHTML) else {if (bw==="input" && (bv.type==="checkbox" || bv.type==="
radio")) {if (bv.checked) {e.defaultChecked=e.checked=bv.checked} if (e.value!=bv.value) {e.value=bv.value}} else {if (
bw==="option") {e.selected=bv.defaultSelected} else {if (bw==="input" || bw==="textarea") {e.defaultValue=bv.
defaultValue}}; e.removeAttribute(b.expando); b.buildFragment(function (bz, bx, bv) {var by, e, bw, bA, bB=bz[0]; if (bx&&bx[0]
) {bA=bx[0].ownerDocument || bx[0]; if (!bA.createDocumentFragment) {bA=av} if (bz.length===1&&typeof bB==="string"
&&bB.length<512&&bA===av&&bB.charAt(0)===<"&&!o.test(bB)&&(b.support.checkClone||!o.test(bB))&&(
b.support.html5Clone||!ah.test(bB))) {e=true; bw=b.fragments[bB]; if (bw&&bw===1) {by=bw} if (!by) {by=bA.
createDocumentFragment(); b.clean(bz, bA, by, bv)} if (e) {b.fragments[bB]=bw; by:1} return {fragment:by, cacheable:e}};
b.fragments={}; b.each({appendTo:"append", prependTo:"prepend", insertBefore:"before", insertAfter:"after",
replaceAll:"replaceWith"}, function (e, bv) {b.fn[e]=function (bw) {var bz=[], bC=b(bw), bB=this.length===1&&this[0].
parentNode; if (bB&&bB.nodeType===11&&bB.childNodes.length===1&&bC.length===1) {bC[bv](this[0]); return this} else {
for (var bA=0, bx=bC.length; bA<bx; bA++) {var by=(bA>0?this.clone(true):this).get(); b(bC[bA])[bv](by); bz=bz.
concat(by)}; return this.pushStack(bz, e, bC.selector)}); function bg (e) {if (typeof e.getElementsByTagName!=="
undefined") {return e.getElementsByTagName("*")} else {if (typeof e.querySelectorAll!=="undefined") {return e.
querySelectorAll("*")} else {return []}}; function az (e) {if (e.type==="checkbox" || e.type==="radio") {e.defaultChecked=e.
checked} function A (e) {var bv=(e.nodeName||"").toLowerCase(); if (bv==="input") {az(e)} else {if (bv!=="script"&&
typeof e.getElementsByTagName!=="undefined") {b.grep(e.getElementsByTagName("input"), az)}; function al (e) {var bv=
av.createElement("div"); ac.appendChild(bv); bv.innerHTML=e.outerHTML; return bv.firstChild}
b.extend({clone:function (by, bA, bw) {var e, bv, bx, bz=b.support.html5Clone||!ah.test("<" + bv.nodeName) ? by.
cloneNode(true) : al(by); if (!b.support.noCloneEvent || b.support.noCloneChecked) && (by.nodeType===1 || by.nodeType===11
) && !b.isXMLDoc(by)) {ai(by, bz); e=bg(by); bv=bg(bz); for (bx=0; e[bx]; ++bx) {if (bv[bx]) {ai(e[bx], bv[bx])}}; if (bA) {t
(by, bz); if (bw) {e=bg(by); bv=bg(bz); for (bx=0; e[bx]; ++bx) {t(e[bx], bv[bx])}}; e=bv=null; return bz}, clean:function
(bw, by, bH, bA) {var bF; by=by||av; if (typeof by.createElement==="undefined") {by=by.ownerDocument || by[0]&&by[0].
ownerDocument || av} var bI=[], bB; for (var bE=0, bz; (bz=bw[bE])!=null; bE++) {if (typeof bz==="number") {bz+=""} if (!bz
) {continue} if (typeof bz==="string") {if (!W.test(bz)) {bz=by.createTextNode(bz)} else {bz=bz.replace(R, "<$1></$2>
"); var bK=(d.exec(bz)||["",""])[1].toLowerCase(), bx=ax[bK]||ax._default, bD=bx[0], bv=by.createElement("div");
if (by===av) {ac.appendChild(bv)} else {a(by).appendChild(bv)} bv.innerHTML=bx[1]+bz+bx[2]; while (bD--) {bv=bv.
lastChild} if (!b.support.tbody) {var e=w.test(bz), bC=bK==="table"&&!e?bv.firstChild&&bv.firstChild.childNodes[bx[1]
]===<"table">&&!e?bv.childNodes[0]; for (bB=bC.length-1; bB>0; --bB) {if (b.nodeName(bC[bB], "tbody")&&!bC[bB].
childNodes.length) {bC[bB].parentNode.removeChild(bC[bB])}}; if (!b.support.leadingWhitespace&&ar.test(bz)) {bv.
insertBefore(by.createTextNode(ar.exec(bz)[0]), bv.firstChild)} bz=bv.childNodes} var bG; if (!
b.support.appendChecked) {if (bz[0]&&typeof (bG=bz.length)=== "number") {for (bB=0; bB<bG; bB++) {E(bz[bB])}} else {E(
bz)}; if (bz.nodeType) {bI.push(bz)} else {bI=b.merge(bI, bz)}; if (bH) {bF=function (bL) {return !bL.type || bm.test(bL.
type)}; for (bE=0; bI[bE]; bE++) {if (bA&&bB.nodeName(bI[bE], "script")&&!bI[bE].type || bI[bE].type.toLowerCase()===
"text/javascript") {bA.push(bI[bE].parentNode?bI[bE].parentNode.removeChild(bI[bE]):bI[bE])} else {if (bI[bE].
nodeType===1) {var bJ=b.grep(bI[bE].getElementsByName("script"), bF); bI.splice.apply(bI, [bE+1, 0].concat(bJ))
} bH.appendChild(bI[bE])}}; return bI}, cleanData: function (bv) {var by, bw, e=b.cache, bB=
b.event.special, bA=b.support.deleteExpando; for (var bz=0, bx; (bx=bv[bz])!=null; bz++) {if (bx.nodeName&&
b.noData[bx.nodeName].toLowerCase()) {continue} bw=bx[b.expando]; if (bw) {by=e[bw]; if (by&&by.events) {for (var bC
in by.events) {if (bB[bC]) {b.event.remove(bx, bC)} else {b.removeEvent(bx, bC, by.handle)}; if (by.handle) {by.handle
.elem=null}}; if (bA) {delete bx[b.expando]} else {if (bx.removeAttribute) {bx.removeAttribute(
b.expando)}; delete e[bw]}}}; function bo (e, bv) {if (bv.src) {b.ajax({url:bv.src, async:false, dataType:"script"
})} else {b.globalEval((bv.text||bv.textContent||bv.innerHTML||"").replace(aN, /*$0*/))} if (bv.parentNode) {bv.
parentNode.removeChild(bv)}; var ak=/alpha\([^)]*\)/i

```

4.2.2.8 function bb

4.2.2.9 var bq =#.*\$ /

4.2.2.10 var bs =\r?\n/g

4.2.2.11 main main c

Initial value:

```

= / ^ \ \
* jQuery UI 1.8.18
*
* Copyright 2011

```

```

4.2.2.12 b fn css =function(e,bv){if(arguments.length===2&&bv===L){return this}return
b.access(this,e,bv,true,function(bx,bw,by){return by!==L?b.style(bx,bw,by):b.css(bx,bw)}}}

```

```

4.2.2.13 b curCSS=b.css

```

```

4.2.2.14 var k =/%20/g

```

```

4.2.2.15 function L {var av=bb.document,bu=bb.navigator,bl=bb.location

```

```

4.2.2.16 Z=a||aX

```

4.3 html/search/all_0.js File Reference

Variables

- var **searchData**
- **main c**
- **main** float **Rt** [2][500]

4.3.1 Variable Documentation

```

4.3.1.1 main c

```

```

4.3.1.2 main float Rt[2][500]

```

```

4.3.1.3 var searchData

```

Initial value:

```

=
[
  ['autocorrelacionar',['autocorrelacionar',['../openmp_2main_8c.html#a4b73fa1c29ba335698242ce10abe5cf6',1,
    'autocorrelacionar(float gates[2][CANT_PULSOS][500][2], float Rt[2][500]):&#160

```

4.4 html/search/all_1.js File Reference

Variables

- var **searchData**
- **main c**
- **main** float **gates** [2][CANT_PULSOS][500][2]

4.4.1 Variable Documentation

4.4.1.1 main c

4.4.1.2 main float gates[2][CANT_PULSOS][500][2]

4.4.1.3 var searchData

Initial value:

```
=
[
  ['calcularmedia', ['calcularmedia', ['../openmp_2main_8c.html#a7f3d752870120b97691f1fbbab0485c9', 1, 'calcularmedia(tabla_pulsos *tablas[], float gates[2][CANT_PULSOS][500][2]):&#160
```

4.5 html/search/all_2.js File Reference

Variables

- var **searchData**

4.5.1 Variable Documentation

4.5.1.1 var searchData

Initial value:

```
=
[
  ['i', ['I', ['../structpulso.html#a145f61de888f096c52a2945234a407b0', 1, 'pulso']]]
]
```

4.6 html/search/all_3.js File Reference

Variables

- var **searchData**
- **main c**

4.6.1 Variable Documentation

4.6.1.1 main c

4.6.1.2 var searchData

Initial value:

```
=
[
  ['main', ['main', ['../openmp_2main_8c.html#a840291bc02cba5474a4cb46a9b9566fe', 1, 'main(void):&#160
```

4.7 html/search/all_4.js File Reference

Variables

- var **searchData**
- **main c**

4.7.1 Variable Documentation

4.7.1.1 main main c

4.7.1.2 var searchData

Initial value:

```
=
[
  ['parsearpulsos', ['parsearpulsos', ['../openmp_2main_8c.html#ad011f3aec555b84f682f21f9c9dbc4db', 1, '
    parsearpulsos(int fd, tabla_pulsos *tablas[]):&#160
```

4.8 html/search/all_5.js File Reference

Variables

- var **searchData**

4.8.1 Variable Documentation

4.8.1.1 var searchData

Initial value:

```
=
[
  ['q', ['Q', ['../structpulso.html#a2297f86a6b8c26836b1f21bcf17c7a8b', 1, 'pulso']]]
]
```

4.9 html/search/all_6.js File Reference

Variables

- var **searchData**

4.9.1 Variable Documentation

4.9.1.1 var searchData

Initial value:

```
=  
[  
  ['tabla_5fpulsos', ['tabla_pulsos', ['../structtabla__pulsos.html', 1, '']]]  
]
```

4.10 html/search/all_7.js File Reference

Variables

- var **searchData**

4.10.1 Variable Documentation

4.10.1.1 var searchData

Initial value:

```
=  
[  
  ['validsamples', ['validSamples', ['../structtabla__pulsos.html#a3ee39c4c3a761ca1fe094dfc0723ec11', 1, '  
    tabla_pulsos']]]  
]
```

4.11 html/search/classes_0.js File Reference

Variables

- var **searchData**

4.11.1 Variable Documentation

4.11.1.1 var searchData

Initial value:

```
=  
[  
  ['pulso', ['pulso', ['../structpulso.html', 1, '']]]  
]
```

4.12 [html/search/classes_1.js](#) File Reference

Variables

- var **searchData**

4.12.1 Variable Documentation

4.12.1.1 var searchData

Initial value:

```
=
[
  ['tabla_5fpulsos', ['tabla_pulsos', ['../structtabla__pulsos.html', 1, '']]]
]
```

4.13 [html/search/defines_0.js](#) File Reference

Variables

- var **searchData**
- **main c**

4.13.1 Variable Documentation

4.13.1.1 main c

4.13.1.2 var searchData

Initial value:

```
=
[
  ['cant_5fpulsos', ['CANT_PULSOS', ['../openmp_2main_8c.html#adc8c780ab502933d827455d44da29d21', 1, '
    CANT_PULSOS():&#160
  ']]
]
```

4.14 [html/search/files_0.js](#) File Reference

Variables

- var **searchData**

4.14.1 Variable Documentation

4.14.1.1 var searchData

Initial value:

```
=
[
  ['main_2ec', ['main.c', ['./openmp_2main_8c.html', 1, '' ]],
  ['main_2ec', ['main.c', ['./procedural_2main_8c.html', 1, '' ]]]
]
```

4.15 html/search/functions_0.js File Reference

Variables

- var **searchData**
- **main c**
- **main** float **Rt** [2][500]

4.15.1 Variable Documentation

4.15.1.1 main c

4.15.1.2 main float Rt[2][500]

4.15.1.3 var searchData

Initial value:

```
=
[
  ['autocorrelacionar', ['autocorrelacionar', ['./openmp_2main_8c.html#a4b73fal29ba335698242ce10abe5cf6', 1,
    'autocorrelacionar(float gates[2][CANT_PULSOS][500][2], float Rt[2][500]):&#160

```

4.16 html/search/functions_1.js File Reference

Variables

- var **searchData**
- **main c**
- **main** float **gates** [2][**CANT_PULSOS**][500][2]

4.16.1 Variable Documentation

4.16.1.1 main c

4.16.1.2 main float gates[2][CANT_PULSOS][500][2]

4.16.1.3 var searchData

Initial value:

```
=
[
  ['calcularmedia', ['calcularmedia', ['../openmp_2main_8c.html#a7f3d752870120b97691f1fbbab0485c9', 1, '
    calcularmedia(tabla_pulsos *tablas[], float gates[2][CANT_PULSOS][500][2]):&#160
```

4.17 html/search/functions_2.js File Reference

Variables

- var **searchData**
- **main c**

4.17.1 Variable Documentation

4.17.1.1 main c

4.17.1.2 var searchData

Initial value:

```
=
[
  ['main', ['main', ['../openmp_2main_8c.html#a840291bc02cba5474a4cb46a9b9566fe', 1, 'main(void):&#160
```

4.18 html/search/functions_3.js File Reference

Variables

- var **searchData**
- **main c**

4.18.1 Variable Documentation

4.18.1.1 main main c

4.18.1.2 var searchData

Initial value:

```
=
[
  ['parsearpulsos', ['parsearpulsos', ['../openmp_2main_8c.html#ad011f3aec555b84f682f21f9c9dbc4db', 1, '
    parsearpulsos(int fd, tabla_pulsos *tablas[]):&#160
```

4.19 html/search/search.js File Reference

Functions

- function **convertTold** (search)
- function **getXPos** (item)
- function **getYPos** (item)
- function **SearchBox** (name, resultsPath, inFrame, label)
- function **SearchResults** (name)
- function **setKeyActions** (elem, action)
- function **setClassAttr** (elem, attr)
- function **createResults** ()
- function **init_search** ()

4.19.1 Function Documentation

4.19.1.1 function convertTold (*search*)

4.19.1.2 function createResults ()

4.19.1.3 function getXPos (*item*)

4.19.1.4 function getYPos (*item*)

4.19.1.5 function init_search ()

4.19.1.6 function SearchBox (*name*, *resultsPath*, *inFrame*, *label*)

4.19.1.7 function SearchResults (*name*)

4.19.1.8 function setClassAttr (*elem*, *attr*)

4.19.1.9 function setKeyActions (*elem*, *action*)

4.20 html/search/searchdata.js File Reference

Variables

- var **indexSectionsWithContent**
- var **indexSectionNames**
- var **indexSectionLabels**

4.20.1 Variable Documentation

4.20.1.1 var indexSectionLabels

Initial value:

```
=  
{  
  0: "All",  
  1: "Data Structures",  
  2: "Files",  
  3: "Functions",  
  4: "Variables",  
  5: "Macros"  
}
```

4.20.1.2 var indexSectionNames

Initial value:

```
=  
{  
  0: "all",  
  1: "classes",  
  2: "files",  
  3: "functions",  
  4: "variables",  
  5: "defines"  
}
```

4.20.1.3 var indexSectionsWithContent

Initial value:

```
=  
{  
  0: "acimpqtv",  
  1: "pt",  
  2: "m",  
  3: "acmp",  
  4: "ipqv",  
  5: "c"  
}
```

4.21 [html/search/variables_0.js](#) File Reference

Variables

- var **searchData**

4.21.1 Variable Documentation

4.21.1.1 var searchData

Initial value:

```
=  
[  
  ['i', ['I', ['../structpulso.html#a145f61de888f096c52a2945234a407b0', 1, 'pulso']]]  
]
```

4.22 html/search/variables_1.js File Reference

Variables

- var **searchData**

4.22.1 Variable Documentation

4.22.1.1 var searchData

Initial value:

```
=  
[  
  ['pulsos_5fiq', ['pulsos_iq', ['../structtabla__pulsos.html#a127fdeb6df16b8c86d77eb90f1a09113', 1, 'tabla_pulsos']]]  
]
```

4.23 html/search/variables_2.js File Reference

Variables

- var **searchData**

4.23.1 Variable Documentation

4.23.1.1 var searchData

Initial value:

```
=  
[  
  ['q', ['Q', ['../structpulso.html#a2297f86a6b8c26836b1f21bcf17c7a8b', 1, 'pulso']]]  
]
```

4.24 `html/search/variables_3.js` File Reference

Variables

- `var searchData`

4.24.1 Variable Documentation

4.24.1.1 `var searchData`

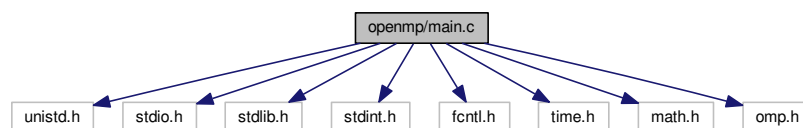
Initial value:

```
=
[
  ['validsamples', ['validSamples', ['../structtabla__pulsos.html#a3ee39c4c3a761ca1fe094dfc0723ec11', 1, '
    tabla_pulsos']]]
]
```

4.25 `openmp/main.c` File Reference

```
#include <unistd.h>
#include <stdio.h>
#include <stdlib.h>
#include <stdint.h>
#include <fcntl.h>
#include <time.h>
#include <math.h>
#include <omp.h>
```

Include dependency graph for `main.c`:



Data Structures

- struct **pulso**
- struct **tabla_pulsos**

Macros

- `#define CANT_PULSOS 800`

Functions

- void **parsearpulsos** (int *fd*, **tabla_pulsos** **tablas*[])
- void **calcularmedia** (**tabla_pulsos** **tablas*[], float **gates**[2][**CANT_PULSOS**][500][2])
- void **autocorrelacionar** (float **gates**[2][**CANT_PULSOS**][500][2], float **Rt**[2][500])
- int **main** (void)

4.25.1 Macro Definition Documentation

4.25.1.1 **#define** CANT_PULSOS 800

4.25.2 Function Documentation

4.25.2.1 void autocorrelacionar (float *gates*[2][**CANT_PULSOS**][500][2], float *Rt*[2][500])

Calcula (de forma paralela) la autocorrelacion de cada pulso

Parameters

| | |
|--------------|---|
| <i>gates</i> | arreglo de gates calculado a partir de la media |
| <i>Rt</i> | arreglo de valores de todos los gates autocorrelacionados por pulso |

4.25.2.2 void calcularmedia (**tabla_pulsos** * *tablas*[], float **gates**[2][**CANT_PULSOS**][500][2])

Calcula (de forma paralela) la media de los gates en la tabla de pulsos *tablas* y los almacena segun corresponda en el arreglo *gates*

Parameters

| | |
|---------------|--|
| <i>tablas</i> | arreglo de punteros a structs donde se almacenan los valores parseados del archivo pulsos.iq |
| <i>gates</i> | arreglo de gates calculado a partir de la media |

4.25.2.3 int main (void)

4.25.2.4 void parsearpulsos (int *fd*, **tabla_pulsos** * *tablas*[])

Levanta el archivo pulsos.iq a memoria asignandolo a la tabla de pulsos ordenadamente segun corresponda

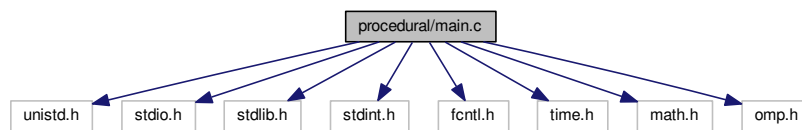
Parameters

| | |
|---------------|--|
| <i>fd</i> | file descriptor del archivo pulsos.iq |
| <i>tablas</i> | arreglo de punteros a structs donde se almacenan los valores parseados del archivo pulsos.iq |

4.26 procedural/main.c File Reference

```
#include <unistd.h>
#include <stdio.h>
#include <stdlib.h>
#include <stdint.h>
#include <fcntl.h>
#include <time.h>
#include <math.h>
#include <omp.h>
```

Include dependency graph for main.c:



Data Structures

- struct **pulso**
- struct **tabla_pulsos**

Macros

- #define **CANT_PULSOS** 800

Functions

- void **parsearpulsos** (int fd, **tabla_pulsos** *tablas[])
- void **calcularmedia** (**tabla_pulsos** *tablas[], float **gates**[2][**CANT_PULSOS**][500][2])
- void **autocorrelacionar** (float **gates**[2][**CANT_PULSOS**][500][2], float **Rt**[2][500])
- int **main** (void)

4.26.1 Macro Definition Documentation

4.26.1.1 #define CANT_PULSOS 800

4.26.2 Function Documentation

4.26.2.1 void autocorrelacionar (float *gates*[2][*CANT_PULSOS*][500][2], float *Rt*[2][500])

Calcula la autocorrelacion de cada pulso

Parameters

| | |
|--------------|---|
| <i>gates</i> | arreglo de gates calculado a partir de la media |
| <i>Rt</i> | arreglo de valores de todos los gates autocorrelacionados por pulso |

4.26.2.2 void calcularmedia (tabla_pulsos * tablas[], float gates[2][CANT_PULSOS][500][2])

Calcula la media de los gates en la tabla de pulsos tablas y los almacena segun corresponda en el arreglo gates

Parameters

| | |
|---------------|--|
| <i>tablas</i> | arreglo de punteros a structs donde se almacenan los valores parseados del archivo pulsos.iq |
| <i>gates</i> | arreglo de gates calculado a partir de la media |

4.26.2.3 int main (void)

4.26.2.4 void parsearpulsos (int fd, tabla_pulsos * tablas[])

Levanta el archivo pulsos.iq a memoria asignandolo a la tabla de pulsos ordenadamente segun corresponda

Parameters

| | |
|---------------|--|
| <i>fd</i> | file descriptor del archivo pulsos.iq |
| <i>tablas</i> | arreglo de punteros a structs donde se almacenan los valores parseados del archivo pulsos.iq |

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