

RAPID LINEAR MOTION

(PENDING IN NASA'S: NSPIRES, GAME CHANGING TECHNOLOGIES)



1
00:00:03,300 --> 00:00:08,800

[Music]

2
00:00:15,459 --> 00:00:11,410

the original title from Fred Astaire and

3
00:00:18,790 --> 00:00:15,469

Ginger Rogers after hours to the secret

4
00:00:22,720 --> 00:00:18,800

life of gyroscopes anyway this is that

5
00:00:27,189 --> 00:00:22,730

was just a joke Fran McCabe with the

6
00:00:29,859 --> 00:00:27,199

secret life of gyroscopes well I think

7
00:00:32,040 --> 00:00:29,869

they had a secret life to which we hope

8
00:00:35,920 --> 00:00:32,050

was pleasant

9
00:00:38,439 --> 00:00:35,930

so I thanks for having us here and to

10
00:00:40,479 --> 00:00:38,449

dr. Bengston for sponsoring us and a few

11
00:00:46,470 --> 00:00:40,489

other people that gave us some help

12
00:00:50,490 --> 00:00:46,480

along the way so basically we have a

13
00:00:54,279 --> 00:00:50,500

let's say devices that know how to spend

14

00:00:58,350 --> 00:00:54,289

and know how to react to spin and can

15

00:01:00,670 --> 00:00:58,360

make vortexes and so forth and so on and

16

00:01:03,100 --> 00:01:00,680

express themselves in a lot of strange

17

00:01:05,950 --> 00:01:03,110

ways now we worked with the earth

18

00:01:09,700 --> 00:01:05,960

lightweight for a while quite a while as

19

00:01:11,680 --> 00:01:09,710

my fact he had us make a few devices and

20

00:01:15,670 --> 00:01:11,690

this one unfortunately didn't quite work

21

00:01:18,700 --> 00:01:15,680

out but he was into massless motions or

22

00:01:21,490 --> 00:01:18,710

that the opposite spinning gyros would

23

00:01:23,530 --> 00:01:21,500

cancel each other's mass out now this

24

00:01:25,960 --> 00:01:23,540

device that we made didn't quite prove

25

00:01:27,850 --> 00:01:25,970

that out but that certainly didn't

26

00:01:30,100 --> 00:01:27,860

belittle the guy and I actually think he

27

00:01:31,630 --> 00:01:30,110

should have been the Royal Society he

28

00:01:34,749 --> 00:01:31,640

should have stood up a little bit harder

29

00:01:39,130 --> 00:01:34,759

these guys and said what is gravity if

30

00:01:43,120 --> 00:01:39,140

it falls and it doesn't fall what do we

31

00:01:46,840 --> 00:01:43,130

got here then I worked with a man

32

00:01:50,830 --> 00:01:46,850

professor manfred Bohm in Stuttgart

33

00:01:54,730 --> 00:01:50,840

Germany and he wanted us to make a earth

34

00:01:56,889 --> 00:01:54,740

powered motor now we had been sort of

35

00:01:58,359 --> 00:01:56,899

guessing at that so this was going to do

36

00:02:01,179 --> 00:01:58,369

a few other things but then it looked

37

00:02:02,980 --> 00:02:01,189

like it could do his job so we set that

38

00:02:05,560 --> 00:02:02,990

up at night and come back in the morning

39

00:02:07,810 --> 00:02:05,570

and it would have moved overnight I was

40

00:02:13,750 --> 00:02:07,820

interesting that he has some of his

41

00:02:16,120 --> 00:02:13,760

students figure how much change in the

42

00:02:18,550 --> 00:02:16,130

Earth's orbit might happen if all the

43

00:02:20,800 --> 00:02:18,560

power that was used all the wattage that

44

00:02:22,130 --> 00:02:20,810

would be used in the world would come

45

00:02:25,400 --> 00:02:22,140

off of device motors

46

00:02:28,760 --> 00:02:25,410

this and so we both decided we're going

47

00:02:32,330 --> 00:02:28,770

to quit on this we were a little afraid

48

00:02:33,890 --> 00:02:32,340

of how much deviation from orbits even

49

00:02:37,100 --> 00:02:33,900

though we had the reassurance here this

50

00:02:39,020 --> 00:02:37,110

morning that it would return to where it

51
00:02:41,540 --> 00:02:39,030
started from now I'm going to take a

52
00:02:43,430 --> 00:02:41,550
little license here this device it

53
00:02:46,130 --> 00:02:43,440
happens to be behind the camera on the

54
00:02:49,670 --> 00:02:46,140
wall and that's just something that we

55
00:02:53,360 --> 00:02:49,680
work on it with windmills and the power

56
00:02:55,130 --> 00:02:53,370
and a motorcycle with air power and we

57
00:02:57,020 --> 00:02:55,140
have one going right now that actually

58
00:02:58,490 --> 00:02:57,030
has delivered a hundred percent power

59
00:03:00,490 --> 00:02:58,500
from the wind bail so I'm just a little

60
00:03:04,690 --> 00:03:00,500
bragging rights here if you don't mind

61
00:03:08,870 --> 00:03:04,700
now the some of the writers that we and

62
00:03:13,160 --> 00:03:08,880
input ters that we had worked with Olaf

63
00:03:14,600 --> 00:03:13,170

Sundin who was quite a scientist and

64

00:03:18,290 --> 00:03:14,610

when we were in a rush to deliver a few

65

00:03:21,820 --> 00:03:18,300

papers we got together with him and he

66

00:03:25,610 --> 00:03:21,830

wrote a book called the hidden secret of

67

00:03:28,160 --> 00:03:25,620

physics which is oscillations and then

68

00:03:30,500 --> 00:03:28,170

we sort of got together that gyros make

69

00:03:34,310 --> 00:03:30,510

oscillations matter of fact when you

70

00:03:37,250 --> 00:03:34,320

have power precession you can make

71

00:03:38,150 --> 00:03:37,260

either oscillations or spirals I'll get

72

00:03:43,400 --> 00:03:38,160

into that in a minute

73

00:03:45,970 --> 00:03:43,410

and I mark sorry he mentioned that if

74

00:03:48,410 --> 00:03:45,980

once we understand the depth of

75

00:03:52,039 --> 00:03:48,420

gyroscopics we're going to really get

76

00:03:56,449 --> 00:03:52,049

into the depths of physics glen turns a

77

00:03:59,150 --> 00:03:56,459

guy in in London or in England and he's

78

00:04:02,300 --> 00:03:59,160

just a gatherer of all gyroscopic

79

00:04:03,759 --> 00:04:02,310

information so I can let you get on to

80

00:04:05,420 --> 00:04:03,769

him if you really want to learn about

81

00:04:08,630 --> 00:04:05,430

everybody who's written about

82

00:04:11,020 --> 00:04:08,640

gyroscopics and klutz once in a life

83

00:04:12,170 --> 00:04:11,030

force I don't know what he's here no

84

00:04:14,840 --> 00:04:12,180

okay

85

00:04:16,520 --> 00:04:14,850

anyhow he alluded to that he didn't use

86

00:04:20,840 --> 00:04:16,530

the word gyroscopic but he alluded to

87

00:04:23,540 --> 00:04:20,850

gyroscopics and in his writing his life

88

00:04:26,540 --> 00:04:23,550

force book page 360 and I think you

89

00:04:30,500 --> 00:04:26,550

could read it that way that gyroscopic

90

00:04:32,900 --> 00:04:30,510

spin is an important part of physics so

91

00:04:33,609 --> 00:04:32,910

hidden secrets I were going to reveal

92

00:04:36,189 --> 00:04:33,619

them here

93

00:04:40,209 --> 00:04:36,199

seems that it was basically a limited

94

00:04:43,929 --> 00:04:40,219

limited perception to the extent of spin

95

00:04:45,969 --> 00:04:43,939

gyro motion physics it really was mostly

96

00:04:49,269 --> 00:04:45,979

focused on stability of thanks to Sperry

97

00:04:51,129 --> 00:04:49,279

and he pretty much stayed from when I

98

00:04:54,519 --> 00:04:51,139

gather from his work that he pretty much

99

00:04:57,219 --> 00:04:54,529

stayed with just ability devices used in

100

00:05:01,989 --> 00:04:57,229

aircraft gyro horizons so forth and so

101
00:05:05,739 --> 00:05:01,999
on and he didn't get much beyond that it

102
00:05:09,999 --> 00:05:05,749
turns out that Tesla piled around with

103
00:05:12,819 --> 00:05:10,009
his son and Tesla's there's a lot of

104
00:05:14,379 --> 00:05:12,829
input to gyroscopics alright so it's

105
00:05:17,489 --> 00:05:14,389
some of the physics motions phenomena a

106
00:05:21,639 --> 00:05:17,499
gyroscope because we have arc reversals

107
00:05:26,819 --> 00:05:21,649
where this would actually fall and then

108
00:05:29,409 --> 00:05:26,829
once this wheel gets parallel to the the

109
00:05:31,649 --> 00:05:29,419
it becomes a spoke at the ends up with a

110
00:05:34,659 --> 00:05:31,659
plane parallel to the spoke

111
00:05:36,549 --> 00:05:34,669
perpendicular spokes sorry that well how

112
00:05:38,799 --> 00:05:36,559
this would fall to that point right

113
00:05:40,989 --> 00:05:38,809

about here and it would reverse itself

114

00:05:43,929 --> 00:05:40,999

just like that I mean it's so fast you

115

00:05:45,850 --> 00:05:43,939

can't even see it happen you go through

116

00:05:49,839 --> 00:05:45,860

the process of reversing it's violent as

117

00:05:51,789 --> 00:05:49,849

a matter of fact and that we

118

00:05:53,739 --> 00:05:51,799

incorporated a very interesting device

119

00:05:55,359 --> 00:05:53,749

that we call anti-gravity so I'll risk

120

00:05:58,709 --> 00:05:55,369

saying those words now maybe I'll never

121

00:06:01,929 --> 00:05:58,719

repeat them and by popular request or

122

00:06:04,599 --> 00:06:01,939

then we have this where we show powered

123

00:06:07,299 --> 00:06:04,609

precession we have a little air motor

124

00:06:10,859 --> 00:06:07,309

air powered motor 7-pound wheel spend it

125

00:06:13,839 --> 00:06:10,869

about maybe three not even 3,000 rpm and

126

00:06:15,759 --> 00:06:13,849

it will lift more weight but as the

127

00:06:19,629 --> 00:06:15,769

power procession occurs then this

128

00:06:25,149 --> 00:06:19,639

becomes a spiral and then this device

129

00:06:27,669 --> 00:06:25,159

here we have two wheels one on each side

130

00:06:29,949 --> 00:06:27,679

and my vision is getting a little tough

131

00:06:32,469 --> 00:06:29,959

to handle that so you can't see the

132

00:06:34,749 --> 00:06:32,479

wheels too readily but its own an arm

133

00:06:38,769 --> 00:06:34,759

like an arm that goes along right there

134

00:06:42,850 --> 00:06:38,779

and then there's some weights and we

135

00:06:45,540 --> 00:06:42,860

have a powered procession motor here so

136

00:06:47,120 --> 00:06:45,550

this will elaborate on a little further

137

00:06:50,050 --> 00:06:47,130

down the line

138

00:06:54,620 --> 00:06:50,060

so so we have all these adaptations

139

00:06:59,140 --> 00:06:54,630

Motoring oscillation frequency self-made

140

00:07:02,750 --> 00:06:59,150

spend self-developed spend by capping a

141

00:07:05,560 --> 00:07:02,760

powered spiral you cap that and Eldin do

142

00:07:08,120 --> 00:07:05,570

spin back into the wheel and then

143

00:07:09,860 --> 00:07:08,130

self-determining power torque adoptions

144

00:07:12,380 --> 00:07:09,870

it's amazing how something can change

145

00:07:14,780 --> 00:07:12,390

its torque without having a gearbox and

146

00:07:17,390 --> 00:07:14,790

it knows how to do it and it senses how

147

00:07:21,170 --> 00:07:17,400

much it has to move to actually bow make

148

00:07:23,210 --> 00:07:21,180

this torque stay make the wheel or the

149

00:07:26,120 --> 00:07:23,220

weight stay in the same position and

150

00:07:30,050 --> 00:07:26,130

then precess and staying in that same

151

00:07:32,840 --> 00:07:30,060

position so we have all these things and

152

00:07:34,930 --> 00:07:32,850

so we do get some opposing questions I

153

00:07:39,580 --> 00:07:34,940

don't know maybe that's a wrong word but

154

00:07:41,930 --> 00:07:39,590

anyhow or impolite word so how can you

155

00:07:44,000 --> 00:07:41,940

know where conservation of momentum be

156

00:07:45,800 --> 00:07:44,010

explained for a 90 degree precessional

157

00:07:50,120 --> 00:07:45,810

motions 90 degree emotions don't have

158

00:07:55,310 --> 00:07:50,130

vectors to each other so precession is a

159

00:07:56,810 --> 00:07:55,320

90-degree motion so you try to work that

160

00:07:59,570 --> 00:07:56,820

out in my head I know how much that

161

00:08:01,310 --> 00:07:59,580

really means here except that I'm trying

162

00:08:02,630 --> 00:08:01,320

to say that we have gyroscopic so you're

163

00:08:06,770 --> 00:08:02,640

getting something different than the

164

00:08:09,500 --> 00:08:06,780

norm in physics so that's one so then

165

00:08:13,460 --> 00:08:09,510

how can you be maintaining a spin rate

166

00:08:15,590 --> 00:08:13,470

while varying at the torque and bearing

167

00:08:18,860 --> 00:08:15,600

the load with different torque without

168

00:08:21,500 --> 00:08:18,870

gear shifting mechanism then if the spin

169

00:08:24,770 --> 00:08:21,510

were to come from storage why doesn't

170

00:08:27,770 --> 00:08:24,780

the why does that deplete the RPMs so

171

00:08:31,100 --> 00:08:27,780

what we see is we don't see a depletion

172

00:08:34,630 --> 00:08:31,110

in rpms except for the aerodynamic drag

173

00:08:36,830 --> 00:08:34,640

and the friction drag is all we can see

174

00:08:39,050 --> 00:08:36,840

then later on we're going to give you an

175

00:08:41,589 --> 00:08:39,060

allocation statement so you can be

176

00:08:46,190 --> 00:08:41,599

prepared for that be excited about that

177

00:08:48,920 --> 00:08:46,200

okay now then these this is I don't know

178

00:08:51,500 --> 00:08:48,930

maybe a up to question or the gyroscopic

179

00:08:54,650 --> 00:08:51,510

despair UV vectors and work and so there

180

00:08:58,280 --> 00:08:54,660

seem to be some disparities and from

181

00:08:59,750 --> 00:08:58,290

what I read or getting from some of

182

00:09:03,680 --> 00:08:59,760

Tesla's works

183

00:09:08,810 --> 00:09:03,690

he truly believed that gyroscopics was

184

00:09:12,770 --> 00:09:08,820

different it came from the ether somehow

185

00:09:18,890 --> 00:09:12,780

or space so just following along these

186

00:09:23,780 --> 00:09:18,900

questions and it would help to learn

187

00:09:26,810 --> 00:09:23,790

about these gyroscopics phenomena motion

188

00:09:29,090 --> 00:09:26,820

of motions and power so right now what

189

00:09:31,400 --> 00:09:29,100

we have we're going to talk about a

190

00:09:33,290 --> 00:09:31,410

little bit further is we have orbits and

191

00:09:35,840 --> 00:09:33,300

we have translational orbits or we have

192

00:09:37,670 --> 00:09:35,850

bending of orbit spin plane and then we

193

00:09:40,490 --> 00:09:37,680

get the 90 degree precession then we get

194

00:09:43,190 --> 00:09:40,500

into the thing that seems to be what's

195

00:09:46,010 --> 00:09:43,200

bypassed and that is powered precession

196

00:09:49,820 --> 00:09:46,020

so we a precession depending on

197

00:09:53,240 --> 00:09:49,830

the arrangement of the geometry you get

198

00:09:55,460 --> 00:09:53,250

spirals or oscillations and oscillations

199

00:09:58,330 --> 00:09:55,470

are real key as I was saying about Oh

200

00:10:01,490 --> 00:09:58,340

left Sundin he wrote his book about

201
00:10:04,280 --> 00:10:01,500
oscillations as being a hidden secret of

202
00:10:06,290 --> 00:10:04,290
physics then we have collisions between

203
00:10:08,720 --> 00:10:06,300
torturers torsions

204
00:10:11,540 --> 00:10:08,730
and receiver converter and there's some

205
00:10:13,880 --> 00:10:11,550
pretty layout type stuff but I'm hearing

206
00:10:15,890 --> 00:10:13,890
from some people here that there's a

207
00:10:19,520 --> 00:10:15,900
potential for a belief and that kind of

208
00:10:21,710 --> 00:10:19,530
thing happening and I'll get to that a

209
00:10:26,510 --> 00:10:21,720
little bit later also so now we get into

210
00:10:29,570 --> 00:10:26,520
orbits and what we have let's let's just

211
00:10:31,640 --> 00:10:29,580
say this is the earth and then this

212
00:10:34,130 --> 00:10:31,650
would be a particle or a piece of mass

213
00:10:37,160 --> 00:10:34,140

or whatever now I can this thing really

214

00:10:39,410 --> 00:10:37,170

fall from that point to the center of

215

00:10:41,840 --> 00:10:39,420

the earth I mean there's gravity really

216

00:10:45,320 --> 00:10:41,850

working a straight line so let's look at

217

00:10:47,930 --> 00:10:45,330

a little bit so you have what this is

218

00:10:50,240 --> 00:10:47,940

moving at X speed the earth is spinning

219

00:10:52,250 --> 00:10:50,250

now whether they're tuned to each other

220

00:10:54,800 --> 00:10:52,260

on the same radio line reading line or

221

00:10:57,050 --> 00:10:54,810

whatever you can question that so I'll

222

00:10:59,510 --> 00:10:57,060

just bypass that question but you know

223

00:11:02,540 --> 00:10:59,520

so now we have this particle say moving

224

00:11:03,980 --> 00:11:02,550

real fast here or it may be even fast

225

00:11:05,480 --> 00:11:03,990

and with a different arc motion it's

226

00:11:07,640 --> 00:11:05,490

getting out of this system

227

00:11:10,400 --> 00:11:07,650

so now then we get to where we get a

228

00:11:10,700 --> 00:11:10,410

satellites theoretically 25,000 miles an

229

00:11:15,920 --> 00:11:10,710

hour

230

00:11:18,200 --> 00:11:15,930

and that stays in orbit now we're

231

00:11:20,990 --> 00:11:18,210

seeking a lower orbit here with this

232

00:11:22,790 --> 00:11:21,000

track that we're showing and that lower

233

00:11:24,620 --> 00:11:22,800

orbit strikes the surface of the earth

234

00:11:26,870 --> 00:11:24,630

so it kind of stays with the earth and

235

00:11:29,780 --> 00:11:26,880

bonds with it and so that ends that

236

00:11:32,000 --> 00:11:29,790

little investigation now if it were to

237

00:11:35,410 --> 00:11:32,010

if you were to go through the center of

238

00:11:38,540 --> 00:11:35,420

the earth through the earth that

239

00:11:41,660 --> 00:11:38,550

basically all these motions then would

240

00:11:44,300 --> 00:11:41,670

be seeking not the center point but a

241

00:11:47,630 --> 00:11:44,310

lower orbit makes it for an interesting

242

00:11:52,880 --> 00:11:47,640

type of thing so now we have say the

243

00:11:57,320 --> 00:11:52,890

earth spinning and we have a let's say a

244

00:12:00,230 --> 00:11:57,330

solar arc and we have a Galactic arc and

245

00:12:02,060 --> 00:12:00,240

I think we have a cosmic arc and so

246

00:12:04,070 --> 00:12:02,070

forth and so on then we have like two

247

00:12:07,010 --> 00:12:04,080

points one point here one point there

248

00:12:10,430 --> 00:12:07,020

different radii that contributes to spin

249

00:12:12,380 --> 00:12:10,440

also you'd have a difference in since

250

00:12:15,890 --> 00:12:12,390

this is a the earth is somewhat solid

251
00:12:17,450 --> 00:12:15,900
although we're worried about it we have

252
00:12:23,630 --> 00:12:17,460
a lot of people making it start to worry

253
00:12:25,610 --> 00:12:23,640
about how solid the firmament is all

254
00:12:28,610 --> 00:12:25,620
right now we get translations of orbits

255
00:12:30,310 --> 00:12:28,620
and basically that's when the spin plate

256
00:12:33,470 --> 00:12:30,320
doesn't rotate

257
00:12:36,710 --> 00:12:33,480
we don't bend it so that's moving at all

258
00:12:39,350 --> 00:12:36,720
different positions and you could look

259
00:12:41,660 --> 00:12:39,360
at it one sense that if you having to

260
00:12:42,950 --> 00:12:41,670
say a focal point here again you have

261
00:12:45,350 --> 00:12:42,960
those two points that are at different

262
00:12:48,200 --> 00:12:45,360
radii so one side is going to go fast or

263
00:12:50,450 --> 00:12:48,210

further or this side will go further

264

00:12:52,420 --> 00:12:50,460

than the far side that with the sense

265

00:12:54,830 --> 00:12:52,430

they're going the same rotational speed

266

00:12:55,970 --> 00:12:54,840

and all you know that see stuff that

267

00:12:58,670 --> 00:12:55,980

gets into a little more of a

268

00:13:02,060 --> 00:12:58,680

conversation but basically translation

269

00:13:07,100 --> 00:13:02,070

of orbits and that you get segmenting it

270

00:13:09,080 --> 00:13:07,110

in the various arc motions that also

271

00:13:10,940 --> 00:13:09,090

contributes and may even be contributing

272

00:13:14,270 --> 00:13:10,950

to the spin of the earth but we have

273

00:13:16,550 --> 00:13:14,280

another proposal for that right now we

274

00:13:20,740 --> 00:13:16,560

get in this bending the spin playing

275

00:13:26,889 --> 00:13:20,750

this of course is gyroscopics and

276

00:13:29,559 --> 00:13:26,899

so we have a wheel spinning wheel then

277

00:13:31,569 --> 00:13:29,569

we bend that and so now our wheel gets

278

00:13:33,879 --> 00:13:31,579

to start to incrementally move into that

279

00:13:35,769 --> 00:13:33,889

position now we say we have a focal

280

00:13:37,329 --> 00:13:35,779

point and I think you can get the

281

00:13:40,960 --> 00:13:37,339

geometry you can question me on a

282

00:13:42,879 --> 00:13:40,970

geometry if you want but let's say it's

283

00:13:45,040 --> 00:13:42,889

at least the initiation of every

284

00:13:47,079 --> 00:13:45,050

increment of motion you're now moving

285

00:13:49,090 --> 00:13:47,089

this point closer to the focal point

286

00:13:50,530 --> 00:13:49,100

these are moving further apart so

287

00:13:53,949 --> 00:13:50,540

therefore you're going to have more

288

00:13:56,290 --> 00:13:53,959

distance on the closer around the

289

00:14:00,100 --> 00:13:56,300

circumference as the smaller on the cone

290

00:14:02,139 --> 00:14:00,110

bigger on the cone you go not as far so

291

00:14:03,819 --> 00:14:02,149

that means you really if you have the

292

00:14:06,490 --> 00:14:03,829

depiction of the spinning wheel the

293

00:14:09,100 --> 00:14:06,500

solid line versus the dotted dash line

294

00:14:11,920 --> 00:14:09,110

you it shows well it should look more

295

00:14:15,220 --> 00:14:11,930

oval but I failed on that and you know

296

00:14:17,439 --> 00:14:15,230

that you get a displacement because of

297

00:14:20,730 --> 00:14:17,449

those two motions this motion being more

298

00:14:27,210 --> 00:14:20,740

than this motion and so to me that's one

299

00:14:32,019 --> 00:14:27,220

geometric way of explaining precession

300

00:14:33,129 --> 00:14:32,029

now we get to the powered precession

301

00:14:36,040 --> 00:14:33,139

where we're either going to go into

302

00:14:37,509 --> 00:14:36,050

spirals or oscillations so basically

303

00:14:39,429 --> 00:14:37,519

you're going to want to spiral if you

304

00:14:42,220 --> 00:14:39,439

keep your focal point like right there I

305

00:14:44,800 --> 00:14:42,230

don't that will have this wheel and you

306

00:14:46,960 --> 00:14:44,810

power that precession so now you're

307

00:14:49,120 --> 00:14:46,970

going to go into a spiral then there's a

308

00:14:52,720 --> 00:14:49,130

lot to be expanding or converging

309

00:14:55,809 --> 00:14:52,730

diverging or converging spirals some say

310

00:14:57,850 --> 00:14:55,819

organic and non-organic and a negative

311

00:15:00,280 --> 00:14:57,860

entropy positive entropy and so I won't

312

00:15:04,480 --> 00:15:00,290

forget involved all that but then you

313

00:15:08,920 --> 00:15:04,490

have a different focal point and that

314

00:15:13,980 --> 00:15:08,930

allowed causes oscillations so we will

315

00:15:17,410 --> 00:15:13,990

get into them if I don't use up my time

316

00:15:19,420 --> 00:15:17,420

now this one is let's say mccabe and for

317

00:15:22,240 --> 00:15:19,430

whatever a lot of other people but let's

318

00:15:24,730 --> 00:15:22,250

say Tesla said that there are some

319

00:15:26,670 --> 00:15:24,740

encode mints or encryptions and I'm not

320

00:15:32,319 --> 00:15:26,680

sure I'm using his words but anyhow that

321

00:15:34,020 --> 00:15:32,329

are embodied into wave motion or spiral

322

00:15:37,980 --> 00:15:34,030

motion and

323

00:15:42,870 --> 00:15:37,990

also there are encryptions or changes in

324

00:15:45,780 --> 00:15:42,880

the character of these spirals and ghin

325

00:15:47,490 --> 00:15:45,790

carrying these codes through so now we

326

00:15:50,090 --> 00:15:47,500

carry these codes to a receiver

327

00:15:53,280 --> 00:15:50,100

convertible which would be hypothalamus

328

00:15:55,110 --> 00:15:53,290

ice or maybe who knows what else

329

00:15:57,840 --> 00:15:55,120

photosynthesis is anything you want to

330

00:15:59,310 --> 00:15:57,850

come up with in physics and I just drew

331

00:16:01,680 --> 00:15:59,320

lines here I don't even know what that's

332

00:16:04,950 --> 00:16:01,690

supposed to represent sorry I can't

333

00:16:06,950 --> 00:16:04,960

figure it out but somehow there's a like

334

00:16:09,630 --> 00:16:06,960

I think it was Claud Swanson hide

335

00:16:12,000 --> 00:16:09,640

spirals and one spire would have would

336

00:16:14,790 --> 00:16:12,010

be a more of a spring opening and

337

00:16:17,910 --> 00:16:14,800

another one then when they meshed then

338

00:16:19,290 --> 00:16:17,920

you would have a difference and one

339

00:16:21,840 --> 00:16:19,300

would affect the other so it's a

340

00:16:24,060 --> 00:16:21,850

collision so the word collision is what

341

00:16:27,870 --> 00:16:24,070

I try to use in this so you know you're

342

00:16:33,030 --> 00:16:27,880

going to get this these collisions that

343

00:16:35,280 --> 00:16:33,040

will take information codes personality

344

00:16:37,500 --> 00:16:35,290

and then I Eve somehow through the word

345

00:16:42,360 --> 00:16:37,510

disease and one of my papers I delivered

346

00:16:45,030 --> 00:16:42,370

to Russia and so this was way out stuff

347

00:16:47,040 --> 00:16:45,040

and I really I don't want to say prior

348

00:16:48,870 --> 00:16:47,050

to myself but I tried to stick with just

349

00:16:50,940 --> 00:16:48,880

being a dumb mechanic and just talk

350

00:16:53,490 --> 00:16:50,950

about the things that we built not this

351
00:16:55,260 --> 00:16:53,500
kind of thought process so this could

352
00:16:58,160 --> 00:16:55,270
get any kind of criticism or

353
00:17:03,950 --> 00:16:58,170
construction that it might be needed

354
00:17:06,990 --> 00:17:03,960
now possibilities and explanations I

355
00:17:08,280 --> 00:17:07,000
just mentioned encoded ether torsions

356
00:17:10,950 --> 00:17:08,290
that's really what I was talking about

357
00:17:12,750 --> 00:17:10,960
in that number five then we have of

358
00:17:16,500 --> 00:17:12,760
course the atomic electron spin now how

359
00:17:18,570 --> 00:17:16,510
does an electron know how to spin is it

360
00:17:20,010 --> 00:17:18,580
a tie of one little aspect of that I

361
00:17:23,250 --> 00:17:20,020
can't go in through now too much but

362
00:17:25,830 --> 00:17:23,260
we're at time whoever aliens God whoever

363
00:17:31,220 --> 00:17:25,840

you want to thank started a chunk of

364

00:17:38,520 --> 00:17:34,680

dynamic time so static to dynamic so in

365

00:17:41,460 --> 00:17:38,530

a way in let's say this was condensing

366

00:17:42,870 --> 00:17:41,470

down into an electron it became a

367

00:17:45,150 --> 00:17:42,880

hydrogen atom and some people call that

368

00:17:48,240 --> 00:17:45,160

the Big Bang and

369

00:17:50,790 --> 00:17:48,250

all the encoding and encryptions and

370

00:17:52,020 --> 00:17:50,800

whoever started all this stuff for plant

371

00:17:54,750 --> 00:17:52,030

or if you do or don't believe about that

372

00:17:56,700 --> 00:17:54,760

kind of thing but anyhow he's got this

373

00:17:58,410 --> 00:17:56,710

whole deal going and said now you know

374

00:18:00,390 --> 00:17:58,420

how to build a universe because

375

00:18:03,960 --> 00:18:00,400

everything was in those first hydrogen

376

00:18:06,510 --> 00:18:03,970

atom so helium right off thanks I'm not

377

00:18:08,370 --> 00:18:06,520

gonna get the mic alright so now we get

378

00:18:11,430 --> 00:18:08,380

into the planetary flats been Plains

379

00:18:13,760 --> 00:18:11,440

solar and galactic arc travels and all

380

00:18:15,540 --> 00:18:13,770

these are basically inherently

381

00:18:18,650 --> 00:18:15,550

gyroscopic and now if we take some

382

00:18:21,810 --> 00:18:18,660

application thoughts some may be

383

00:18:23,580 --> 00:18:21,820

dysfunctional on my part but whether you

384

00:18:24,660 --> 00:18:23,590

have so-called Coriolis but you have the

385

00:18:25,800 --> 00:18:24,670

spin of the earth there's different

386

00:18:28,320 --> 00:18:25,810

radius of the earth you have the earth

387

00:18:29,490 --> 00:18:28,330

travel around the Sun and basically talk

388

00:18:31,560 --> 00:18:29,500

about pressure differences well where

389

00:18:34,170 --> 00:18:31,570

are you going to get the pressure I mean

390

00:18:37,050 --> 00:18:34,180

it has to come from somewhere so really

391

00:18:38,730 --> 00:18:37,060

it's more gyroscopic that that you would

392

00:18:41,460 --> 00:18:38,740

have an oscillation but this would be

393

00:18:43,500 --> 00:18:41,470

one of the oscillations that go all so

394

00:18:46,380 --> 00:18:43,510

whether it is really a combination of

395

00:18:50,550 --> 00:18:46,390

those various motions and it makes air

396

00:18:52,500 --> 00:18:50,560

go up into a spiral and they don't be

397

00:18:55,470 --> 00:18:52,510

getting DNA I just mentioned DNA just

398

00:18:57,480 --> 00:18:55,480

sort of offhandedly there before but we

399

00:19:01,170 --> 00:18:57,490

think that there's a possibility of

400

00:19:03,060 --> 00:19:01,180

Rhian crypting DNA it's a cure diseases

401
00:19:04,830 --> 00:19:03,070
and i think i'm not the only one in that

402
00:19:07,160 --> 00:19:04,840
but i wrote that and of course Tesla

403
00:19:10,890 --> 00:19:07,170
said it and then a guy named royal rife

404
00:19:13,020 --> 00:19:10,900
really went into this big time so

405
00:19:14,580 --> 00:19:13,030
alright so we have quantum mechanics and

406
00:19:17,190 --> 00:19:14,590
we have Planck station we have vortex

407
00:19:19,470 --> 00:19:17,200
power and encryption codes was a pretty

408
00:19:22,710 --> 00:19:19,480
much covered and now we get into some

409
00:19:26,520 --> 00:19:22,720
devices there's a rapid rapid linear

410
00:19:28,830 --> 00:19:26,530
motion and this is pending in NASA's

411
00:19:35,520 --> 00:19:28,840
inspire game-changing technologies and

412
00:19:38,370 --> 00:19:35,530
basically we have a Bendis spin plane

413
00:19:41,250 --> 00:19:38,380

bending arm here then we have a

414

00:19:43,920 --> 00:19:41,260

processional arm and then we have linear

415

00:19:45,300 --> 00:19:43,930

motion along this path right here and

416

00:19:47,070 --> 00:19:45,310

when I first built this thing I didn't

417

00:19:48,960 --> 00:19:47,080

have this intervening in which I call

418

00:19:50,520 --> 00:19:48,970

precession because I thought this motion

419

00:19:54,450 --> 00:19:50,530

who cares whether it's in a straight

420

00:19:57,660 --> 00:19:54,460

line right well processions that must go

421

00:20:00,600 --> 00:19:57,670

in a curved line okay so we got through

422

00:20:02,640 --> 00:20:00,610

this now it would allow tremendous rapid

423

00:20:05,880 --> 00:20:02,650

speed I mean this device when it slides

424

00:20:10,160 --> 00:20:05,890

itself across this shaft you know a

425

00:20:12,870 --> 00:20:10,170

linear bearing the speed is unbelievable

426
00:20:16,050 --> 00:20:12,880
so NASA may look at that for propulsion

427
00:20:17,520 --> 00:20:16,060
now we won't have here a bunch of giant

428
00:20:20,280 --> 00:20:17,530
horizons from the airplanes and

429
00:20:22,890 --> 00:20:20,290
basically this demonstrates two things

430
00:20:25,380 --> 00:20:22,900
that this without touching it develops a

431
00:20:27,570 --> 00:20:25,390
frequency to motorized all these gyros

432
00:20:29,580 --> 00:20:27,580
these are gyros for gyros now there's a

433
00:20:31,500 --> 00:20:29,590
handle back here we turn that handle and

434
00:20:33,870 --> 00:20:31,510
these are all that random positions they

435
00:20:36,990 --> 00:20:33,880
line up now during that line up period

436
00:20:38,430 --> 00:20:37,000
you feel the resistance that resistance

437
00:20:44,430 --> 00:20:38,440
I think is the first demonstration

438
00:20:47,100 --> 00:20:44,440

mechanical demonstration of inertia all

439

00:20:50,010 --> 00:20:47,110

right so I'm out of Telamon this thing's

440

00:20:52,080 --> 00:20:50,020

given up on me huh okay so now I want to

441

00:20:55,470 --> 00:20:52,090

get to the last one that I had here I'll

442

00:20:58,430 --> 00:20:55,480

jump right to that which is this device

443

00:21:04,920 --> 00:20:58,440

here and we're in a process right now of

444

00:21:09,380 --> 00:21:04,930

building a device that converts one inch

445

00:21:14,940 --> 00:21:09,390

pound of input with this little motor

446

00:21:15,990 --> 00:21:14,950

that will convert the 1200 inch pounds

447

00:21:19,020 --> 00:21:16,000

of work

448

00:21:21,750 --> 00:21:19,030

this takes 1248 pounds times 25 inches

449

00:21:23,790 --> 00:21:21,760

and that takes 1,200 inch pounds but one

450

00:21:26,640 --> 00:21:23,800

inch pound from that motor that's all

451
00:21:29,190 --> 00:21:26,650
that can put out is doing this it just

452
00:21:31,080 --> 00:21:29,200
barely can get that thing spinning now I

453
00:21:33,270 --> 00:21:31,090
demonstrate in a video which we can't

454
00:21:36,210 --> 00:21:33,280
show now but that will just fall like a

455
00:21:38,280 --> 00:21:36,220
lifeways a bicycle wheel whatever you

456
00:21:40,980 --> 00:21:38,290
use but then when you get it spinning it

457
00:21:45,810 --> 00:21:40,990
will just spin around and we can use

458
00:21:47,730 --> 00:21:45,820
this torque to make a output devices

459
00:21:51,690 --> 00:21:47,740
that can be used commercially we think

460
00:21:58,420 --> 00:21:51,700
so basically that is my story and I've

461
00:22:16,970 --> 00:22:00,770
thank you very much do we have questions

462
00:22:21,810 --> 00:22:19,769
Fran you mentioned royal rife I wonder

463
00:22:24,500 --> 00:22:21,820

if you could comment and what elaborate

464

00:22:27,380 --> 00:22:24,510

and what you said he believed about

465

00:22:30,690 --> 00:22:27,390

elaborate on your citation or he

466

00:22:32,880 --> 00:22:30,700

invented the electron microscope when he

467

00:22:35,310 --> 00:22:32,890

was adjusting the power of the electron

468

00:22:37,320 --> 00:22:35,320

microscope he was the first guy with

469

00:22:40,680 --> 00:22:37,330

that microscope could look at DNA cell

470

00:22:43,889 --> 00:22:40,690

so he saw a change he sought the shape

471

00:22:46,200 --> 00:22:43,899

or the pathway of the spiral change so

472

00:22:48,389 --> 00:22:46,210

then after 10 years or 15 years or

473

00:22:50,909 --> 00:22:48,399

whatever he somehow connected that to

474

00:22:53,060 --> 00:22:50,919

diseases and he labeled diseases and he

475

00:22:56,039 --> 00:22:53,070

ended up curing cancer by putting

476

00:22:58,919 --> 00:22:56,049

oscillation frequencies just to the body

477

00:23:06,990 --> 00:22:58,929

and he did this in the 30s ama crush

478

00:23:09,299 --> 00:23:07,000

this poor guy and he ended up dead just

479

00:23:12,600 --> 00:23:09,309

to address the slide that's currently up

480

00:23:15,389 --> 00:23:12,610

on the screen you seem to be describing

481

00:23:17,610 --> 00:23:15,399

it as as what's known as an overunity

482

00:23:20,010 --> 00:23:17,620

device you say you're getting a lot more

483

00:23:24,120 --> 00:23:20,020

work out of it then the little motor is

484

00:23:27,570 --> 00:23:24,130

putting into it and therefore I have to

485

00:23:29,250 --> 00:23:27,580

ask what I I still think should be

486

00:23:31,950 --> 00:23:29,260

called the Hal put off one watt

487

00:23:34,470 --> 00:23:31,960

challenge is there some reason why you

488

00:23:36,990 --> 00:23:34,480

can't harness the power that it's

489

00:23:39,620 --> 00:23:37,000

putting out and tap off a little bit of

490

00:23:42,090 --> 00:23:39,630

it to power the input motor and thus

491

00:23:44,070 --> 00:23:42,100

demonstrate that it really is producing

492

00:23:47,340 --> 00:23:44,080

more power as usual you're very

493

00:23:49,080 --> 00:23:47,350

perspicacious yes yes I think you can

494

00:23:51,210 --> 00:23:49,090

tap off a little bit of power and use it

495

00:23:55,250 --> 00:23:51,220

but you can drop that motor out of it

496

00:23:58,620 --> 00:23:55,260

and it'll keep doing the work now if

497

00:24:02,039 --> 00:23:58,630

you're you have a bleed off because of

498

00:24:04,830 --> 00:24:02,049

aerodynamics spin or drag and the

499

00:24:06,750 --> 00:24:04,840

bearing friction which are almost

500

00:24:08,760 --> 00:24:06,760

negligible not quite but if you get a

501
00:24:15,730 --> 00:24:08,770
really well tuned gyroscope it'll go for

502
00:24:21,970 --> 00:24:18,850
I like to suggest that it would be good

503
00:24:23,740 --> 00:24:21,980
to actually do that test and beyond

504
00:24:28,510 --> 00:24:23,750
simply saying that yes it should be

505
00:24:33,040 --> 00:24:28,520
doable we got it if I do I still have a

506
00:24:35,260 --> 00:24:33,050
minute or two somewhere here if I can

507
00:24:39,460 --> 00:24:35,270
find it well that's right I should show

508
00:24:47,760 --> 00:24:39,470
you that over this yeah okay here we

509
00:24:55,150 --> 00:24:50,799
it's one a TV right there I'm just

510
00:24:57,610 --> 00:24:55,160
showing that as that it falls okay big

511
00:25:00,280 --> 00:24:57,620
deal okay so let's get to where it's

512
00:25:02,620 --> 00:25:00,290
actually doing something so now we get

513
00:25:04,030 --> 00:25:02,630

that spinning asked him in the RPM you

514

00:25:09,070 --> 00:25:04,040

can almost estimator yourself it's not

515

00:25:16,720 --> 00:25:09,080

real fast it's maybe six seven Thank You

516

00:25:18,610 --> 00:25:16,730

Ernie so there's a demonstration now if

517

00:25:20,950 --> 00:25:18,620

you like I have a vise grip hang on I

518

00:25:22,630 --> 00:25:20,960

shaft that vertical shaft and then that

519

00:25:24,880 --> 00:25:22,640

little motor okay now when you grab the

520

00:25:28,150 --> 00:25:24,890

vise grip and push that to you you power

521

00:25:30,430 --> 00:25:28,160

the procession that will spiral up now

522

00:25:32,530 --> 00:25:30,440

it's handling 1,200 pounds the only

523

00:25:34,840 --> 00:25:32,540

input to this is whatever the world

524

00:25:36,820 --> 00:25:34,850

cosmos has to offer according to Tesla

525

00:25:39,669 --> 00:25:36,830

and he knows only maybe he's the only

526

00:25:42,669 --> 00:25:39,679

one that knows is that little motor that

527

00:25:45,250 --> 00:25:42,679

is rated at 2.5 inch pounds I put six

528

00:25:47,350 --> 00:25:45,260

volts on the motor and it still does the

529

00:25:50,080 --> 00:25:47,360

job site still around one inch pal and

530

00:25:51,990 --> 00:25:50,090

it's getting 1,200 inch panel so

531

00:25:58,260 --> 00:25:52,000

whatever you want to think about that I