

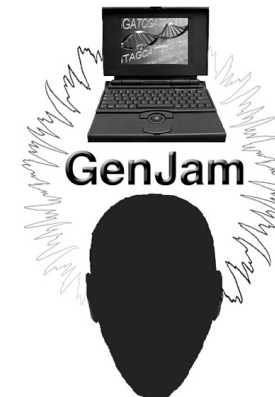
GENJAM TUNES

Affreusement Votre	Eiderdown	Latin Snowfall	Sail Away
Afreaka	Elizete	Laura	Salute to Birdland
Afrodisia	Emily	Lester Left Town	Sans Souci
Afternoon in Paris	Episode fm Village Dance	Let's Call This	Satin Doll
AGT Blues	Escapade	Line for Lyons	Secrets of Love
Aqua de Beber	ESP	Lion's Den	Senor Blues
Alborada	Even Dozen Odd	Little B's Poem	Serenade to a Cuckoo
All Blues in 5	Everyday Life	Little Boat	Serenata
All of Me	Fair Weather	Little Man	Serenity
All Over Again	Falling Grace	Little Suede Shoes	Sesame Street in 7
All the Things You Are 7	Far More Blue	Little Sunflower	Shabazz
Alone	Fascinating Rhythm in 7	Look at the Birdie	Shadow of your Smile
Alone Together	Filide	Look of Love	Shiny Stockings
Alter Ego	Fire Waltz	Look to the Sky	Short Story
Analog Blues	Focus	Lookin' East	Silver's Serenade
Angel Eyes	Foggy Day	Lotus Blossom	Simone
Ani's Mood	Footprints	Louisiana Fairy Tale	Slow Hot Wind
Anos Dourados	For My Nephews	Love Boat Theme	So Danco Samba/A Train
Anti-Ergophobia	For Our Dearest	Lovely	So Nice
Appointment in Ghana	Forest Child	Lullaby in Rhythm	So Samba!
April in Paris	Fotografia	Mamacita	So What
Are You Real	Four	Mambo Inn	Social Call
Arietas	Fox, The, Theme from	Manteca	Solar in 5
Autumn Dreams	Freddie the Freeloader	MASH in 7	Something Cute
Autumn Serenade	French Connection	Mating Call	Song for my Father
Bad & the Beautiful	French Spice	Meditation	Song for my Lady
BaLue Monk	Friday the 13th	Megeve	Sonny's Mood
Barefoot Ballet	Fuego De Corazon	Melancholy Serenade	Soul Eyes
Basheer's Dream	Funk in Deep Freeze	Mellow Mood	Speak Low
Beatitudes	Gemini	Melody for C	St. Ives
Beautiful Black Eyes	Gentle Descent	Milagros Pequenos	St. Thomas
Bee Tee's Minor Plea	Gentle Rain	Milestones in 7	Stablemates
Bemsha Swing	Giant Steps	Minha Saudade	Stella by Starlight
Benji's Bounce in 7	Gimme Five	Minor Changes	Stolen Moments
Bewitched	Ginger Snap	Minor Reflections	Street Singer
BG's Groove Two	Girl from Ipanema in 7	Minor Sweet	Strollin'
Bird's Lament	Godchild	Minority	Sugar
Bittadose, A	Gold Digger's Song	Mo Joe	Summertime
Black Narcissus	Good Humors	Monaco	Sun Shower
Black Nile	Good Old Soul	Monk's Dream	Sunset
Black Orpheus	Goodbye	Moon Alley	Sweet Love of Mine
Blessing, The	Gregory Is Here	Moon and Sand	Sweetness
Blue Bossa	Grew's Tune	Moonglow	Symptoms
Blue Gardenia	Gypsy Blue	Moon Rays	Tahiti
Blue Hawk/Blues 5 Spot	Hanky Panky	Moon River	Take Five
Blue Haze	Hassan's Dream	Morning	Tangerine
Blue In Green in 5	Hello	Mr. L (Herm Lubinski)	Taxi Driver
Blue Interlude	Here Comes the Child	Mr. Lucky	Tea for Two in 7
Blue Spring	Here's How	Ms. B.C.	Terra Firma Irma
Blues a la Mode	Hi Fly	My Groove, Your Move	Thang, The
Boo Boo's Birthday	High Modes	Naked City Theme	The Ionious in 7
Booker's Waltz	How Inensitive	Nardis in 7	Theme for Doris
Boplicity	I Dream of Jeannie	Nature Boy/Mad Men	Thetis
Boss Bossa	I Mean You	Never Say Never Again	Thiers Tears
Bossa De Luxe	I Remember Love	News for Lulu	Think on Me
Brain Wave	I Remember You in 7	Nica's Dream	This I Dig of You
Brazil	I Spy	Night in Tunisia	This Is for Albert
Broadway	I'll Remember April	Night Watch	Thunderball
But Not for Me	I'm Fool to Want You	Night Watch	Tidal Breeze
Bye Bye Blackbird in 7	Icarus in 7	Nostalgia in Times Sq	Time for Love
Bye Ya in 7	Idle Moments	Nuages	Tin Tin Deo
Call Me	If I Should Lose You	Nutty	Tis'
Cantina Band	If I Were a Bell	Nutville	Topsy
Capers	If You Could See Me Now	O Grande Amor	Totem Pole
Caravan	If You Never Come to Me	Odd Couple	Tramontana
Charade	In a Meditating Mood	Off Shore	Trimmed in Blue
Children of the Night	In a Mellow Tone	Oleo	Tune Up
Chinatown	Incentive	Once I Loved	Turkish Bath
Clan, The	Inchworm	One by One	Uh Huh
Concerto for Trumpet	Invitation	Open Sesame	Up a Step
Conference of the Birds	Isotope	Open Sesame	Up Jumped Spring
Congo Lament	It Had Better Be Tonight	Open Wide	Varadero Blues
Contemplation in 5	It's Over	Opening Statement	Waiting Game
Corcovado in 7	Jeanne	Our Delight	Watch What Happens
Corner Pocket	Jeanine	Our Love Is Here to Stay	We See
Cruella de Vil	Jelly Roll	Out of Nowhere	Well, You Needn't in 7
Day in Vienna	Jeru	Outa Sight	Whadaya Say Dr. J
Days of Wine and Roses	Jitterbug Waltz	Pedro's Time	What Now My Love
Desert Moonlight	Jive at Five	Pent Up House	What U Won't Do 4 Luv
Detour	Jo-B	Poinciana	Wheel within a Wheel
Dhyana	Johnny Staccato	Portrait of Jennie	When Sunny Gets Blue 7
Dial 5 for Sonny	Journey to Recife	Povo	Whenever You Might Go
Diamonds Are Forever	Ju Ju	Pumston Neverland	Whisper Not
Dindi	Just Squeeze Me	Putcha-Putcha	Whistling Wizard
Do It Again	Karita	Rain	Why Are We Afraid?
Dolphin Dance	Killer Joe	Rake, The	Willow Weep 4 Me in 5
Don's Song	L. A. Noire	Recado	Windflower
Don't Ever Go Away	La Nevada	Recordame	Won't U B my Neighbor
Don't Leave Me	Lady Bird	Recuertos	Work Song
Dorian	Lady Bug	Rhythm-a-ning in 7	Xlento
Double Clutching	Lament for Stacy	Rise	Yama
Doxy	Las Vegas Tango	Room 222	Yana Amina
Eastern Joy Dance	Last First	Rounds and Spheres	Yes and No
Echo of Spring	Last Tangle	Ruby in 7	You Go to My Head
Eclypso	Last Tango in Paris	Sagittarius	You've Changed

AL BILES & GENJAM



THE VIRTUAL JAZZ QUINTET



TOP 10 QUESTIONS ABOUT GENJAM WITH ANSWERS!

1. What does GenJam stand for?

Genetic Jammer. The Jam part comes from the fact that GenJam improvises jazz, (or jams, as a jazz musician would say). The Gen part comes from genetic algorithm.

2. What's a Genetic Algorithm?

A genetic algorithm uses the principles of natural genetics to evolve useful things. GenJam evolves populations of melodic ideas (licks) that it uses to improvise jazz solos. Each lick has a chromosome that gets turned into a measure or phrase when it is performed. Pairs of licks can get together and have kids, some licks mutate, and over time the kids of the better licks replace the worse licks in the population. After a few generations, the population gets like Lake Wobegon (where all the children are above average), and GenJam's solos sound pretty convincing.

3. Sometimes it kind of echoes what you played?

That's right. GenJam listens to me play trumpet, turns what I played into chromosomes and breeds those into the population of licks. When we trade fours, GenJam mutates the chromosomes of my last four and throws it back at me. When we improvise collectively, it plays back what I played a measure ago while it's listening to what I'm playing now, and I'm planning for the next measure while I'm playing now. Kind of a *Back to the Future* thing in miniature...

4. How does it hear the trumpet?

I plug the receiver for my wireless mic into a pitch-to-MIDI converter (the smaller black box), which listens to whatever comes over the mic and sends out MIDI events (basically the notes it thought I played). The computer turns the MIDI events into chromosomes, which get mutated and turned into notes that GenJam plays.

5. So where's the CD?

Well, GenJam and I recorded a CD in 1996, and we've made several demo CDs since then, but there's no CD when we perform. GenJam improvises spontaneously and never plays the same solo twice, even if it plays the same tune. However, the rhythm section (piano, bass, drums, guitar) is canned. At least the drummer shows up on time and sober...

6. Can you play _____?

Maybe. GenJam and I know over 400 tunes in a wide variety of straight up jazz styles from swing and bop to Latin and pop. Look on the back of this sheet. If a tune is listed, it's fair game. Note that Proud Mary, Dancing Queen, Saints, People, YMCA, and the Chicken Dance are all conspicuously absent!

7. Where can I get GenJam for my computer?

Well, the current version won't run on your computer, and not because GenJam needs a super powerful, state-of-the-art system. Quite the opposite actually – GenJam only runs on really old Macintoshes because I wrote it using a MIDI environment from Carnegie Mellon U that hasn't been kept up to date. Bottom line: GenJam is a legacy system, but I'm currently working with RIT's MAGIC Center to make it an open source title. For more info check out...

8. Is there a GenJam Web site?

Yup! genjam.org You'll find an electronic press kit of sorts, our TEDx talk, some MP3s, articles about GenJam from *The Economist* and *Discover*, interviews from BBC and NPR radio, lists of tunes and gigs, technical papers, and links to get the music CD and books with chapters on GenJam.

9. Where have you played?

We've played in London, Milan, Tokyo, Banff, Århus, Toronto, Seattle, Frisco, Vegas, Hartford, San Diego, DC, Ann Arbor, San Jose, Palo Alto, Yorktown Heights, Boston, Binghamton, Syracuse, and all over Rochester.

10. Will you perform at my _____?

Absolutely! I play a lot of receptions and coffee houses with the occasional concert and a generous helping of lecture/demos. Give me a call at 585-301-8367, or email me at jabics@rit.edu.