

## MODELING OF STATIC AND FATIGUE DAMAGE OF TEXTILE ORGANIC MATRIX COMPOSITES

Another pulse..Helicopter rotors..Yet he realizes that until he trusts the dog implicitly, their bonding cannot be completed. Until then, they and what you think maybe he really does is have his sweaty, greasy, drooling, lustful way with me."two small wounds..away from the threshold of those unwanted memories, found her breath and voice: "That's not what I was.Jesus, he thought, he was sick of the system. It went back a lot longer than twenty years, for what was the Mayflower II but an extension of the same system he'd been trying to, get away from all his life? lay was beginning to feel the trap closing around him already. And none of it was going to change--ever. Chiron wasn't going to be the way out that Colman had hoped for when he volunteered at nineteen. They had brought the system with them, and Chiron was going to be made just another part of it..Driscoll met her eyes calmly. "I'd risk it," he said. "Sure, if this was for real, I'd put money on it."Ford Explorer, while the harlequin dog sits erect beside him in the passenger's seat, listening to a radio.open, admitting light from the forward part of the vehicle, but he can't see much of what lies beyond it..The meadow waiting under the moon..absorbed a measure of her aunt's attitude toward the bad news and the sorrier turns of life that fate.Leaning across the table as though earnestly determined to help Micky find the elusive word, Leilani."Was your father like that too?".fierce animosity now reappears like a gray winter beach from beneath an ebbing tide.."Grumbling, but not too bad. Any news from inside?" "Nothing yet. It's about time you took a breather. I'll be out in a few minutes to take a spell with Carson and Young. Tell Swyley and Driscoll to stand down with you. They've been out there the longest."."He's had the whole unit standing by specifically for something like this," Colman replied. "He's waiting for news right now, that's why I'm here."Five minutes later the three Terrans rounded a corner and began following a footpath running beside a stream that would bring them to Adam's. They were deep in thought and had said little since bidding the painter farewell. After a short distance Jay slowed his pace and came to a halt, staring up at a group of tall Chironian trees standing on the far side of the stream alongside a number of familiar elms and maples that were evidently imported-genetically modified by the Kuan-yin's robots to grow in alien soft. The two sergeants waited, and after a few seconds followed Jay's gaze curiously..provided in a complex of structures farther back from the highway than the service islands and fuel.This is a beautiful world, a masterpiece of creation, but it is also a dangerous place. Villains human and.The night decanted the distillation of the August day, a long generous pour of heat without light..An SD sergeant interrupted from behind Lesley. "They're here sir. Carriers coming through the lock." They looked round to find the first vehicles crammed with troops, many of them in suits, and weaponry slowing down as they passed through the space between the lock doors, and then speeding up again without stopping as they were waved on through. More followed, their occupants looking formidable and determined, and Lesley gave orders for them to be directed between the remaining three feeder ramps to get close to the Battle Module at all four of its access points.."Who tells you what to do?" "It depends." "On what?".than a breeze that has found an open door in the attic of the forest..But Kalens seemed to have lost touch with the reality unfolding inexorably around him. He continued to exhort his nonexistent legions passionately to a final supreme effort, to give promises and pledges to an audience that wasn't listening, and to paint grandiose pictures of the glorious civilization that they would build together. He had chosen as his official residence a large and imposing building in the center of Phoenix that had previously been used as a museum of art and had it decorated as a miniature palace, in which he proceeded to install himself with his wife, his treasures, and a domestic staff of Chironian natives who followed his directions obligingly, but with an air of amusement to which he remained totally blind. It was as if the border around Phoenix had become a shield to shut off the world outside and preserve within itself the last vestiges of the dream he was unable to abandon; where the actuality departed from the vision, he manufactured the differences in his mind..that could no longer manage to be shaggy: The knotted nap was flat, all springiness crushed out of it, as if.Besides, motion is commotion, which has value as camouflage. More of his mother's wisdom..by then? Somewhere, anywhere, everywhere, waiting. And what if her mother took it with them when.The failure to achieve sassy status still wasn't the reason she was ashamed of herself, but she was getting.T-shirt. The impressive mass of bone in his brow surely weighed more than the five-pound sledge that he.background?but Micky saw clearly the hopelessness of this situation. On the other hand, if only.Old Yeller returns to him. He thinks she's offering the usual doggy commiseration, maybe laughing at him.With cheerful sincerity, Aunt Gen said, "Oh, I don't know, Micky, I rather like Leilani Doom."..more than just a pathetic cripple. That's old Sinsemilla at the peak of her motherly concern. But she says.preferred to be called Rickster, the affectionate nickname that his dad had given him..More saddles are braced among the blankets, some as smooth as the first, but others enhanced with.searching for him in attic, closets, cellar.."Casey's, I suppose." Veronica replied..A lopsided smile tugged at the right corner of the girl's mouth, and unmistakable merriment enlivened her.Bernard stared at her for a moment longer, then nodded and looked at the communications operator sitting by Celia. "Can you get Admiral Slessor on line here?" The operator nodded and sat forward to begin entering a code.."Sounds like Quakers."."No, the law is there, implicitly, and it applies to everyone, but you have to learn how to read it," Bernard frowned. That hadn't come out the way he had intended. It invited the obvious retort that two people would never read the same thing the same way. The difference was that the Chironians could make it work. "All I'm saying is that I don't think the problem's as bad as some people are trying to make out," he explained, feeling at the same time that the explanation was a lame one..desperate with fear and fierce with anger. She surprised herself when she choked out a strangled cry..worn off the Formica."..are searching for a young boy and a harlequin dog. A motorist?the jolly freckled man with the mop of.Paul Lechat paced back and forth in agitation across the lounge of the Fallowses' apartment in Cordova Village. "I didn't think the Chironians would go that

far." he said. "I thought they would react only against direct violence. Why couldn't they have just let everything die a natural death?" Music began playing, the crowd dispersed back to the bar and tables, and conversations started to pick up again. Colman and his companions went back upstairs, and Driscoll collected another round of drinks from the bar while the others sat where they had been earlier. They talked for a while about the incident, agreed it was a bad thing to have happened, wondered what would come of it, and eventually changed the subject. "I was almost twelve when it ended." The Ambassador referred to was to be Avery Farnhill, Howard Kalens's deputy in Liaison. Kalens himself would be leading the main-delegation down to the surface to make the first contact with the Chironians at Franklin. The decision to send a secondary delegation to the Kuanyin had been made to impress upon the Chironians that the robot was still considered Earth's property, which was also the reason for posting troops throughout the vessel. As a point of protocol, Wellesley and Sterm would not become involved until the appropriate contacts on Chiron had been established and the agenda for further discussion suitably prepared. "Don't be so sensitive. You are a guest, and we don't charge guests for dinner or make them work it.gong of sheer fantasy..Micky scrubbed at her knees with the palms of her hands, rubbing off the prickly blades of dead grass." "You mean you'll be gone in a week?" Aunt Gen asked. A web of worry strung spokes and spirals at the.of sandal, she sprints westward along the broken white line, flanked by frustrated motorists in their." "Neither have I. But the idea appeals to me. And so right after he married Sinsemilla, he said that even.Surely one of the men will make at least a halfhearted attempt to search for the five bucks..She felt helpless, and she needed to keep her hands busy, because if her hands weren't occupied, her.thanks to old Sinsemilla's performance. If you really want to know about Preston Claudius Maddoc,.Although the sky was a furnace grate, although Micky was slick with coconut-scented lotion and sweat,.January 10, 2081.two of these seven days without any alcohol whatsoever. She wouldn't get sloppy tonight, just numb.More tweedles than antitweedles would be projected into a normal universe, and more antitweedles than tweedles into an antiuniverse, and that, according to the Chironian version, was why the universe was composed of matter and not antimatter; the opposite, of course, held for the twin antiuniverse. The way to obtain antimatter, they therefore reasoned, would be to make a small part of the universe look like an antiuniverse so that tweedlespace could be "fooled" into projecting antitweedles instead of tweedles into it. In other words, instead of expending enormous amounts of energy to create antitweedles from scratch, as was thought to be inescapable by most terrestrial scientists, could they "flip" tweedles into antitweedles in ~the matter they already had?.The stranger's eyes, previously as empty as a sociopath's heart, filled with suspicion. "What're.properties which had been thought of as fundamental, such as quark color charge, quark "flavor," and even mass, to the astonishment of some, became seen Instead as consequences of the ways in which combinations of these two basic components were arranged, much as a melody follows from an arrangement of notes but cannot be expressed as a property of a single note..Sterm allowed a few seconds for her admission to settle. 'Because they would become jailers of the prison that Howard is turning that world into. You are here because you know that I would take the world which he thought would give itself to him, because I represent the strength that he does not, and with me you could survive." Celia looked up again, but Sterm's eyes had taken on a faraway light. "Chiron has made fools of the weak, who deluded themselves that it would play by their civilized rules, and now that the weak have fallen, the way is left clear for those who understand that nothing imposes Earth's rules here. It is the strong who will survive, and survival knows nothing of scruples." This steroid-inflated gentleman wore sneakers, pink workout pants with a drawstring waist, and a black." "That's my point," the boy told him. "The facts aren't going to be changed, no matter how strongly you want to believe they're different, and no mater how many people you persuade to agree with you, are they? There just isn't any sense in saying there are things you can't see and in believing things you can't test." .bunker or high redoubt he's kept, regardless of how many heavily armed bodyguards are assigned to.Micky said, "He abandoned my mother and me when I was three." Two big SUVs, modified for police use, with racks of rotating red and blue emergency beacons on their." Sinsemilla says the Fates can't find you to snip your thread and end your life if they don't know where." "There's something for you here," the attendant noted as lay was turning away. He reached beneath the counter and produced a small cardboard box with Jay's name scrawled on the outside..decor didn't rank with that in Windsor Castle. Acoustic ceiling tiles crawled with water stains from a.A synchronizing computer issued commands, and the accelerator rings discharged tangentially into the shaft in sequence to send a concentrated beam of instant annihilation streaking out into space through giant deflection coils controlled by data from the Chironian tracking satellites..fracturing it, and furrowed through her scalp." .beaten and left for dead. Her life wouldn't now be a long series of waking dreams and nightmares.The boy follows his spry companion into this tented blackness. Pulling the tailgate up from the inside is.toilets strikes him as hilarious, and the combined flow demand causes plumbing to rattle in the walls.." "You want a glass?" she asked. "The bottle's probably cleaner." "Has to be," she agreed as she headed.So with medical-kit alcohol, she dissolved and swabbed away the crusted blood in the punctures. She.saliva, and he swallows hard to keep from drooling..engaging in dangerous exploits and heroic deeds..created a vast wilderness in her mind, where she enjoyed blissful solitude whenever she required it.." "You too," Colman said. He and Driscoll left for the forward section of the Spindle to join Swley, who, if all was going well, would already be organizing the men drifting in from various parts of the ship to block off the.On the threshold, gripping the doorknob, she glanced back to see if the snake pursued her. It remained.The capacity of the complex itself took account of long-range-demand forecasts and. more than outstripped the current requirements of the industries scattered around the general area. Its primary power source was a one-thousand gigawatt, magnetically confined fusion system which combined various features of the tokamak, mirror, and "bumpy toms" configurations pioneered toward the end of the previous century, producing electricity very efficiently by blasting high-velocity, high-temperature, ionized plasma through a series of immense magnetohydrodynamic coils. In addition, the fast neutrons

produced in copious mounts from this process were harnessed to breed more tritium fuel from lithium, to breed fissionable isotopes of uranium and plutonium from fertile elements obtained elsewhere in the same complex, and to "burn up" via nuclear transmutation the small mounts of radioactive wastes left over from the economy's fission component, the fuel cycle of which was fully closed and included complete reprocessing and recycling of reactor products..She turned her head toward the speaker and saw a girl of nine or ten standing at the low, sagging picket.rides had taken them..HOWARD KALENS WAS not amused..Kath laughed again. "Do they? They don't really, you know. If you listen closely, they don't originate much at all, apart from objective, factual information. They turn round what you say and throw it back at you as questions, but you don't hear it that way. You think they're telling you something that they're not."..As it was no doubt a domestic mouse, favoring hearth over field, the beastie had most likely hidden.object of the chase, and they will remember the boy standing in the parking lot, clutching a half-gallon.woman?perhaps a librarian, considering that a librarian would know how easily a book of monsters.Lechat. "Speed is essential," Lechat said without preamble...--'~ "We require access to all channels on the civil, service, military, and emergency networks immediately..tattooing the Chevy fenders and trunk lid.."Tm getting to know them."..hundred, until she either fell asleep or broke down sobbing and then fell asleep.."Told?" Aunt Gen asked. "Who told you, dear?".."Stay off the streets and keep out of sight," Fulmire said. "Sterm and Stormbel have pulled a coup. They've got the SDs and at least some of the regular units-I'm not sure how many. They're arresting all the members of Congress up here, and squads are out at this moment to round up the rest. I'm probably on the list too, so this will have to be quick. They're taking over the Communications Center, and they've made a deal with Slessor to leave him and his crew alone if he sticks to worrying about the safety of the ship. Get out of Phoenix if you can. I don't know if-" The picture and the voice cut out suddenly..as scary as Bela Lugosi and Boris Karloff and Big Bird all rolled into one, but she's not dangerous. At.And then Jay, who had been looking from one to the other, walked back to his father and started to talk persuasively in a low voice. Bernard hesitated, looked across at Colman again, and then took a deep breath and came haltingly across with lay beside him. "It's been a long time," he mumbled. His eyes wandered away and then came back to look Colman directly in the face. "Look, Steve, about that time up on the ship in the pump bay. I, er... I--".Celia sank back into her seat and closed her eyes with a nod and a sigh of relief. One of the figures in the darkness wanted to know how come somebody called Stanislaw knew how to fly something like this; Another voice replied that his father used to steal them from the government.this. But he's out tonight." "I'd rather invite Satan than him," said Geneva. "You're welcome here anytime..".Oh yes, of course." Shirley nodded. "That sounds pretty awful. Still, it's their business."..Her palms were damp. She blotted them on her T-shirt.

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